HIGH STREET
LIMITED SUBSURFACE INVESTIGATION

Prepared for
City and County of Denver
May 28, 2010

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Brown AND Caldwell

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LIST OF ABBREVIATIONS

Accutest	Accutest Laboratories
CCoD	City and County of Denver
CDPHE	Colorado Department of Public Health and Environment
CH_4	Methane
cis-1,2-DCE	cis-1,2-dichloroethene
CO_2	carbon dioxide
CSEV	Colorado Soil Evaluation Values
DEQ	Department of Environmental Health, Division of Environmental Quality
DRO	diesel range organics
EPA	Environmental Protection Agency
GRO	gasoline range organics
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
O_2	Oxygen
OPS	Colorado Department of Labor and Employment, Division of Oil and Public Safety
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
PCE	tetrachloroethene
PID	photoionization detector
PLM	polarized light microscopy
PVC	polyvinyl chloride
RCRA	resource conservation and recovery act
TCE	trichloroethene
TCLP	toxicity characteristic leachate procedure
TPH	total petroleum hydrocarbons
UPRR	Union Pacific Railroad
USCS	United Soil Classification System
VB/I-70	Vasquez Boulevard/ Interstate-70
VOC	volatile organic compound

EXECUTIVE SUMMARY

Brown and Caldwell performed a Limited Subsurface Investigation for the City and County of Denver (CCoD) at the proposed High Street stormwater improvement area (Site). These activities were conducted on February 24, 25, and 26, 2010. The work was conducted for the CCoD, Department of Environmental Health, Division of Environmental Quality (DEQ).

The purpose of this investigation was to characterize the soil, groundwater, and soil gas, and to evaluate the potential for human and environmental health concerns resulting from the proposed construction activities at the Site. It is understood that construction activities are associated with the installation of an upgraded stormwater sewer as part of CCoD's Stormwater Master Plan.

As a result of the activities conducted at the Site, the following conditions were observed:

- Two of eight soil samples (HS-02 and HS-08) exceeded Colorado Department of Public Health and Environment's (CDPHE's) Worker Colorado Soil Evaluation Value (CSEV) for benzo(a)pyrene.

  Soil collected from boring HS-02 was reported to have an asbestos concentration of 0.5 as a percent of the total soil volume analyzed, though this may be considered a trace amount. This sample was collected from a boring where landfill debris was noted in the soil core; therefore it is possible that the asbestos is associated with the landfill debris.

- Volatile organic compounds (VOCs) were detected in groundwater at concentrations exceeding the Colorado Department of Public Health and Environment (CDPHE) Regulation 41 standard for chloroform, tetrachloroethene (PCE) and trichloroethene (TCE). The exceedances were both found in samples collected in Globeville Park (HS-01 and MW-1), located immediately east of the Denver Coliseum parking lot.

  Cadmium was detected at concentrations exceeding the CDPHE Regulation 41 domestic water supply standard in the samples collected from HS-03 and HS-04. Both of these samples were collected in the parking lot of the Pepsi Bottling Plant property.

- Landfill gas (i.e. methane [CH_4]) monitoring was conducted in five borings in the area of the suspected former landfill to determine the concentration of landfill gas being generated by the landfill materials. Landfill gas concentrations ranging from 0.0 (HS-04) to 56.7 (HS-03) percent of total soil gas were observed. Landfill gas concentrations are explosive between 5 percent (lower explosive limit) and 15 percent (upper explosive limit) when an ignition source is present. Some concentrations observed at the Site could represent a danger to workers during construction activities at the Site.

  The following recommendations are made for the proposed construction activities at the Site:

Care should be taken during excavation of soils during construction activities in the vicinity of borings HS-02 and HS-08 to ensure worker safety as a result of the presence of the known carcinogen benzo(a)pyrene in concentrations that exceed the Worker CSEV. A materials management plan should be developed to direct contractors to properly handle and dispose of excavated material.

During construction or earthmoving activities, contractors should also be aware of the potential for landfill materials to contain asbestos and be advised of the appropriate precautions. If landfill debris is encountered during construction activities, the guidelines from CDPHE's Asbestos-Contaminated Soil Guidance Document (http://www.cdphe.state.co.us/hm/asbestosinsoil.pdf) should be followed. Additionally, contractors should be informed to be aware of potential explosive levels of landfill gas and advised of the appropriate precautions.

If dewatering activities are to occur in the vicinity of HS-01, HS-03, HS-04, and MW-01 during construction of the proposed stormwater drain at the Site, appropriate water treatment should be conducted and applicable discharge permits obtained to ensure proper handling of impacted groundwater.

1. INTRODUCTION

Brown and Caldwell performed a Limited Subsurface Investigation for the City and County of Denver (CCoD) at the proposed High Street stormwater improvement area (Site). These activities were conducted on February 24, 25, and 26, 2010. The general location of the Site is shown in Figure 1. The work was conducted for the CCoD, Department of Environmental Health, Division of Environmental Quality (DEQ).

The purpose of this investigation was to characterize the soil, groundwater, and soil gas, in order to evaluate the potential for worker health concerns resulting from the proposed CCoD construction activities at the Site. It is understood that construction activities are related to the installation of an upgraded stormwater sewer as part of CCoD's Stormwater Master Plan. Figure 2, Figure 3, and Figure 4 are site maps depicting the general location of the proposed stormwater line and the surrounding area.

As stated by CCoD, the stormwater outfall will be in the South Platte River at Globeville Park. The stormwater line will then travel east, into the Denver Coliseum parking lot where it will then take a 45 degree turn to the southeast. The line will continue southeast through the trailer storage area of the Pepsi Bottling Company (Pepsi) property until it reaches East Brighton Boulevard, where it turns 90 degrees to the southwest. The stormwater line will continue beneath East Brighton Boulevard until reaching 40th Street at which point the line will turn 90 degrees to the southeast and continue under the Union Pacific Railroad tracks to Blake Street.

Soil and groundwater impacts have been previously identified in portions of the proposed location of the stormwater line. The Vasquez Boulevard/Interstate-70 (VB/I-70) Superfund site is located south of Interstate-70, west of North Humboldt Street, and north of East McFarland Drive, adjacent to the Denver Coliseum, overlying a portion of the Site. Lead and arsenic contamination in soil and groundwater have been identified in soil and groundwater in association with this site. Additionally, landfill materials have been found in the subsurface in the portion of the Site in the parking lot of the Denver Coliseum.

To identify potential impacts that may be encountered during construction, Brown and Caldwell advanced eight soil borings along the approximate proposed alignment of the stormwater line for the purpose of collecting soil, groundwater, and soil gas samples. Prior to initiating the subsurface investigation, a health and safety plan was prepared and public underground utility clearance was performed. A direct push drilling rig was subcontracted to install the borings and to facilitate sample collection. Direct push drilling uses a jack hammer mounted to a hydraulic ram, mobilized on a track mounted vehicle to push small diameter drill rods into the subsurface for the purpose of soil and groundwater sampling and characterization.

2. FIELD ACTIVITIES

The following section describes the field activities conducted at the Site. A copy of the field notes can be found in Appendix A.

Prior to drilling the two borings on Pepsi property and the one boring on Union Pacific Railroad (UPRR) property, additional utility clearing activities were conducted by contractors using a hydrovac system to ensure that underground utilities would not be disturbed by the drilling. Using a hydrovac system allows a contractor to safely dig by using high pressure water to create slurry, then using the powerful vacuum system to suck up the slurry into the onboard holding tank. This method of excavating is safe because no equipment (back-hoe buckets, drill rigs, etc.) will touch potential underground utilities.

2.1 Soil Sampling Activities

To investigate the potential impacts of previous activities at the Site, eight soil borings were installed; five in the suspected landfill area (HS-01, HS-02, HS-03, HS-04, and HS-08), one in the vicinity of the UPRR tracks (HS-06), and two additional borings along the proposed alignment of the stormwater drain (HS-05 and HS-07). Soil was continuously cored at each location with a direct push drilling rig and collected using clear acetate liners. The soil samples were described using the United Soil Classification System (USCS) in each boring with the exception of HS-06. HS-06 was advanced with the hydrovac system and by using a hand auger as UPRR would not grant access to the drilling rig. As a result soils were not able to be described using the USCS for the majority of the boring. Boring logs can be found in Appendix C. Soil samples were also field screened using a photoionization detector (PID) for combustible gases.

The interval from which soil samples were collected for analysis in each boring was based on PID readings, visible staining, or proximity to the apparent groundwater interface. Following collection of the soil samples, the containers were placed in bubble wrap inside sealed double plastic bags and put in an iced cooler. At the conclusion of the field activities for each day, samples were hand delivered to Accutest Laboratories (Accutest) in Wheat Ridge, Colorado. The soil samples were analyzed for volatile organic compounds (VOCs) by Environmental Protection Agency (EPA) method 8260B, polynuclear aromatic hydrocarbons (PAHs) by EPA method 8270C-SIM, the eight Resource Conservation and Recovery Act (RCRA) metals by EPA methods 6010B and 7471A (mercury), and asbestos (through Accutest's subcontractor; DCM Science Laboratory, Inc.) by polarized light microscopy (PLM). Soil samples from borings HS-02, HS-03, and HS-08 were also analyzed for total petroleum hydrocarbons (TPH) and polychlorinated biphenyls (PCBs).

2.2 Groundwater Sampling Activities

Following completion of the soil borings, temporary groundwater monitoring wells were installed in each boring with the exception of HS-06. A temporary well was not installed in HS-06 because it was necessary to advance this boring with a hand auger due to UPRR access restrictions. As a result, it was not possible to reach the depth of groundwater at this location.

Temporary monitoring wells were constructed with one-inch diameter polyvinyl chloride (PVC) 0.010-inch machine slotted screen and blank casing with a washed 10-20 mesh silica sand pack around the screened interval inserted into the borehole. Groundwater was collected from the temporary monitoring wells and

additional groundwater samples were collected from existing VB/I-70 monitoring wells MW-01 and MW-06. Prior to sampling, each well was purged of at least three well volumes using either a peristaltic pump with disposable polyethylene and tygon tubing, a check valve (foot valve) with disposable polyethylene tubing, or a bailer. A multi-parameter groundwater quality meter was used to measure groundwater quality parameters. Groundwater sampling data sheets are in Appendix A.

Once purging was completed, groundwater samples were collected in appropriately sized and preserved containers provided by Accutest for analysis of VOCs by EPA method 8260B, PAHs by EPA method 8270C-SIM, and dissolved RCRA metals by EPA methods 6010B and 7471A (mercury). Prior to collecting the samples for dissolved metals, each sample was filtered through a disposable 0.45 micron filter into bottles containing nitric acid preservative. The bottles were placed in bubble wrap inside sealed double plastic bags and put in an iced cooler. At the conclusion of the field activities for each day, samples were hand delivered to Accutest.

2.3 Landfill Gas Monitoring Activities

Following completion of soil and groundwater sampling, landfill gas monitoring was conducted in borings HS-01, HS-02, HS-03, HS-04, and HS-08. Monitoring was conducted by moving two to three feet from the borings and drilling to the suspected depth of landfill material. Once reaching this depth, the drilling rods were pulled back to expose an opening at the bottom of the drill rods for collection of soil gas. The drilling rods were then connected to a Landtec Gem 500® landfill gas meter with disposable tygon tubing. Soil gas was pumped through the landfill gas meter until the readings stabilized and then recorded on a field log which are in Appendix A.

After the completion of the monitoring activities, the open borehole was abandoned by adding hydrated bentonite chips to the top of ground surface. At locations where it was necessary to drill through surface asphalt to reach subsurface soils (HS-02, HS-03, HS-04, HS-05, and HS-08), the asphalt was replaced using cold patch asphalt.

3. SUMMARY OF RESULTS

The following sections summarize the results of samples collected for this investigation.

3.1 Soil Sampling Results

Analytical results of the soil samples are presented in Table 1. The complete laboratory report is presented in Appendix B.

Acetone (possibly a laboratory contaminant) and methyl ethyl ketone were the only VOCs detected in the soil samples collected from the soil borings at the site. The concentrations of these VOCs were less than the CDPHE's CSEV. No other VOC constituents were detected in soil samples at concentrations greater than the laboratory reporting limits.

The Worker CSEV standard was exceeded for benzo(a)pyrene in HS-02 and HS-08. The remainder of the samples either had PAH constituent concentrations less than the Worker CSEV value or no detections at concentrations greater than the laboratory reporting limits.

Arsenic was detected at concentrations greater than the Worker CSEV standard in soil collected from borings HS-01, HS-02, HS-04, HS-06, and HS-08.

Lead concentrations in two of the samples, HS-06 and HS-08, although not greater than the worker CSEV, were greater than 20-times the toxicity characteristic leachate procedure (TCLP) standard from 40 CFR Part 261.24 (if the total concentration of a tested constituent is greater than 20 times the TCLP regulatory limit, then the sampled medium could possibly leach enough of that constituent to fail the TCLP limit and thereby would need to be regulated as a hazardous waste).. These two samples were subsequently analyzed for TCLP to determine proper handling and disposal options and were found to have results less than the TCLP standard for lead

Asbestos was detected in one of the eight soil samples submitted for asbestos analysis by PLM. Soil collected from boring HS-02 was reported to have a concentration of 0.5 percent of the total sample analyzed, though this may be considered a trace amount. Landfill materials were noted in the soil core collected from this boring.

Soil collected from borings HS-02, HS-03, and HS-08 was analyzed for TPH and PCBs due to visual observation of dark staining in the soil cores. None of these samples had results above the laboratory detection limit for the gasoline range organics (GRO). Each sample did have detected concentrations of the total diesel range organics (DRO) at concentrations less than the Colorado Department of Labor and Employment, Division of Oil and Public Safety (OPS) screening level of 500 mg/kg. PCBs were not detected at concentrations exceeding the laboratory detection limits.

Landfill debris was observed in soil cores from borings HS-02, HS-03, and HS-08. The debris was generally found in grayish-black soil and consisted of wood, paper, brick, and glass.

The locations of the borings along with their respective analytical results of compounds detected at concentrations greater than their respective Worker CSEV standards are shown in Figure 2.

3.2 Groundwater Monitoring Results

Analytical results of the groundwater samples are presented in Table 2. Groundwater sampling data sheets are shown in Appendix A. The complete laboratory report is shown in Appendix B.

VOCs were detected in groundwater at concentrations exceeding the CDPHE Regulation 41 standard for chloroform, PCE and TCE from the samples collected in Globeville Park (HS-01 and MW-1), located east of the Denver Coliseum parking lot. Additionally, cis-1,2,-dichloroethene (cis-1,2-DCE), a degradation product of PCE and TCE, was detected in both of these samples, but at concentrations below the CDPHE Regulation 41 standard.

PAHs were detected at concentrations greater than the laboratory detection limits in the groundwater sample collected from HS-08, but at concentrations less than the respective CDPHE Regulation 41 standards.

Barium and cadmium were the only two dissolved metals detected at concentrations greater than the laboratory detection limits. Cadmium was detected at concentrations exceeding the CDPHE Regulation 41 domestic water supply standard in the samples collected from HS-03 and HS-04.

The locations of the borings along with the analytical results of compounds detected at concentrations greater than their respective CDPHE Regulation 41 standards are presented on Figure 3.

3.3 Landfill Gas Monitoring Results

Landfill gas monitoring results are shown in Table 2. The landfill gas sampling field log can be found in Appendix A.

Landfill gas monitoring was conducted in borings HS-01, HS-02, HS-03, HS-04, and HS-08, located in the area of the suspected former landfill. Landfill gas concentrations ranged from 0.0 (HS-04) to 56.7 (HS-03) percent of total soil gas.

The locations of the borings along with the landfill gas monitoring results are shown in Figure 4.

4. SUMMARY AND CONCLUSIONS

Brown and Caldwell performed a Limited Subsurface Investigation for the CCoD at the proposed High Street stormwater improvement area. These activities were conducted on February 24, 25, and 26, 2010. The work was conducted for the CCoD, DEQ. The purpose of this investigation was to characterize the soil, groundwater, and soil gas, and evaluate the potential for human and environmental health concerns resulting from the proposed CCoD construction activities to upgrade the stormwater sewer at the Site.

4.1 Soil Summary and Conclusions

4.1.1 PAHs

Two soil samples located within the Denver Coliseum parking lot (HS-02 and HS-08) contained benzo(a)pyrene at concentrations exceeding Worker CSEVs .

Care should be taken during excavation of soils during construction activities in the vicinity of borings HS-02 and HS-08 to ensure worker safety as a result of the presence of the known carcinogen benzo(a)pyrene in concentrations that exceed the Worker CSEV. During construction or earthmoving activities, contractors should also be informed of potential landfill materials and advised of the appropriate precautions. A materials management plan should be developed to direct contractors to properly handle and dispose of excavated material.

4.1.2 Arsenic

Arsenic in soil samples collected from borings HS-01, HS-02, HS-04, HS-06, and HS-08 exceeded the Worker CSEV standard of 1.6 mg/kg. The highest arsenic concentration found in soil samples collected at the Site was 7.4 mg/kg. However, the Baseline Human Health Risk Assessment for the VB/I-70 Superfund Site (EPA, 2001 http://www.epa.gov/unix0008/r8risk/pdf/hhra_vbi70-ou1.pdf) demonstrated that the natural background soil conditions for arsenic in the Denver area may be as high as 15 mg/kg. Since the arsenic concentrations in the soil samples are below 15 mg/kg, the detected arsenic in the soil samples likely reflects the natural background conditions for arsenic at the Site and does not represent an anthropogenic source.

The following reasons also support the conclusion that the detected concentrations of arsenic do not pose a concern to human health for workers constructing stormwater drains or conducting other earth moving activities:

1. The CSEV levels do not predict actual health effects but are upper bound estimates of what might happen if the many assumptions that go into the calculations of the numbers are actually applicable at the Site. The basis of the CSEV concentrations of arsenic in soil is the EPA process of human health risk assessment. EPA is explicit that risk assessment is a tool based on policy and science that is used to make decisions (An Examination of EPA Principles and Practices, EPA 2004 http://www.epa.gov/osa/pdfs/ratf-final.pdf). Risk assessment does not predict actual health effects. In fact, EPA states that the actual risk may be zero. "Our risk estimates are designed to ensure that risks are not underestimated, which means that a risk estimate is the upper bound on the

estimated risk. In past guidelines, we have explicitly stated that the true cancer potency could be as low as zero" (EPA 2009 http://www.epa.gov/iris/limits.htm).

The CSEV level for arsenic is based on information on arsenic toxicity from the EPA Integrated Risk Information System (IRIS). EPA states that "In general IRIS values cannot be validly used to accurately predict the incidence of human disease or the type of effects that chemical exposures have on humans."

Risk assessment is intended to be one of many tools that regulators use to make decisions on whether action is warranted to reduce exposure. As with all EPA calculations, the CSEV levels are based on many hypothetical assumptions and policy decisions in areas where there is insufficient science.

2. The remedial clean-up level for arsenic in residential soils at the surrounding VB/I-70 Superfund Site is 70 mg/kg (intended to prevent or minimize exposure to soils and vegetables grown in soils), commercial/industrial soils, and ditch sediments. This action level for arsenic was developed for the nearby Asarco Globe Site; many of the potential health risks are similar to the Site. The concentrations of arsenic detected at the Site are well below this action limit.

3. EPA has assigned a range to acceptable residential risk of 1×10^{-6} to 1×10^{-4}. In a site-specific risk assessment the EPA has found levels as high as 250 mg/kg acceptable for children at the Anaconda Mine site in Montana.

4. The evidence that EPA used to develop the risk-based level for arsenic in soil is based on increases in cancer in people in Taiwan who were exposed to very high concentrations of arsenic in water and food. There is a high level of uncertainty associated with actual dose that these people received (EPA 2009 http://www.epa.gov/ncea/iris/subst/0278.htm). However, it is part of EPA's risk policy to use worst case assumptions when extrapolating from this type of data to low levels of exposure that might be encountered in a normal environment.

The Site's arsenic concentrations appear to be representative of natural background conditions at the Site and the detected concentrations would not likely pose a threat to workers constructing stormwater drains or conducting other earth moving activities involving the sediment at the Site.

4.1.3 Lead

Soil samples collected from borings HS-06 and HS-08 contained lead at concentrations that exceeded 20 times the TCLP standard for lead (100 mg/kg). However, neither of these two samples had analytical results for lead that exceeded the respective CSEVs. If the total concentration of tested constituent is greater than 20 times the TCLP regulatory limit, then the sampled media could potentially leach enough of that constituent to fail the TCLP limit and thereby would need to be regulated as a hazardous waste. Subsequent lead TCLP analyses of these two samples indicated a concentration less than the TCLP standard of five milligrams per liter (mg/L) and are therefore deemed appropriate for offsite disposal at a non-hazardous landfill. This analysis was conducted to determine if these soils are acceptable for non-hazardous disposal purposes only.

4.1.4 Asbestos

Soil collected from boring HS-02 was reported to have a concentration of 0.5 as a percent of the total sample analyzed, though this may be considered a trace amount. This sample was collected from a boring where

landfill debris was noted in the soil core; therefore it is possible that the asbestos detection is associated with the landfill debris. If landfill debris is encountered during construction activities, the guidelines from CDPHE's Asbestos-Contaminated Soil Guidance Document (http://www.cdphe.state.co.us/hm/asbestosinsoil.pdf) should be followed.

4.2 Groundwater Summary and Conclusions

VOCs were detected in groundwater at concentrations exceeding the CDPHE Regulation 41 standard for chloroform, PCE, and TCE. The chlorinated solvent exceedances were found in samples collected in Globeville Park (HS-01 and MW-1) located east of the Denver Coliseum parking lot. Additionally, cis-1,2-DCE, a degradation product of PCE and TCE, was detected in both of these groundwater samples but at levels less than CDPHEs Regulation 41 standard. According to a prior groundwater sampling event conducted in July of 2006 as part of the VB/I-70 investigation, the groundwater flow direction in the vicinity of the Site is approximately to the northwest (BC 2006).

Cadmium was detected at concentrations exceeding the CDPHE Regulation 41 domestic water supply standard in the groundwater samples collected from the Pepsi property (HS-03 and HS-04). If dewatering activities are to occur during construction of the proposed stormwater drain at the Site, a materials management plan should be generated, appropriate water treatment for chlorinated VOCs and cadmium conducted, and applicable discharge permits obtained to ensure proper handling of impacted groundwater. Special care should be taken during construction of the stormwater drain through areas where impacted groundwater is expected to be found to ensure that the stormwater drain does not become a conduit for transporting the impacted groundwater to non-impacted areas.

4.3 Landfill Gas Summary and Conclusions

Landfill gas (i.e. CH_4) monitoring was conducted in soil borings HS-01, HS-02, HS-03, HS-04, and HS-08, in the area of the suspected former landfill. Landfill debris was observed in soil cores from borings HS-02, HS-03, and HS-08. The debris was generally found in grayish-black soil and consisted of wood, paper, brick, and glass.

Landfill gas concentrations ranged from 0.0 (HS-04) to 56.7 (HS-03) percent of total soil gas. The landfill gas concentrations observed at those sampling points are most likely not representative of homogeneous concentrations of landfill gas throughout the Site. Actual conditions encountered during construction activities may be less than or greater than these observed concentrations. Landfill gas concentrations are explosive between 5 percent (lower explosive limit) and 15 percent (upper explosive limit) when an ignition source is present.

Landfill gas concentrations observed at the Site could represent a danger to workers during construction activities at the Site. Contractors should be informed to be aware of potential explosive levels of landfill gas and advised of the appropriate precautions, including monitoring methane concentrations at these locations during construction.

5. REFERENCES

Brown and Caldwell 2006. *July 2006 Groundwater Monitoring Report, Vasquez Boulevard and Interstate 70, Operable Unit 2*, August 30, 2006.

EPA 2001. *Baseline Human Health Risk Assessment for the VB/I-70 Superfund Site*, 2001.

6. LIMITATIONS

Report Limitations

This document was prepared solely for CCoD in accordance with professional standards at the time the services were performed and in accordance with the contract between CCoD and Brown and Caldwell dated February 2, 2009. This document is governed by the specific scope of work authorized by CCoD; it is not intended to be relied upon by any other party except for regulatory authorities contemplated by the scope of work. We have relied on information or instructions provided by CCoD and other parties and, unless otherwise expressly indicated, have made no independent investigation as to the validity, completeness, or accuracy of such information.

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TABLES

Table 1. Summary of Soil Analytical Data
High Street Limited Subsurface Investigation
City and County of Denver

	Worker CSEV	TCLP	HS-01	HS-02	HS-03	HS-04	HS-05	HS-06	HS-07	HS-08
Sample Depth (feet bgs)			15 - 25	5 - 15	10 - 15	25 - 35	25 - 34	12 - 14	25 - 35	10 - 20
Volatile Organic Compounds by EPA method 8260B (mg/kg)										
Acetone	1,000	--	<0.11	0.0964 J	<0.1	<0.11	<0.12	<0.11	<0.1	0.102 J
Methyl ethyl ketone	--	4,000	<0.11	<0.12	<0.1	<0.11	<0.12	<0.11	<0.1	0.0271 J
Polynuclear Aromatic Hydrocarbons by EPA method 8270C SIM (mg/kg)										
1-Methylnaphthalene	--	--	<0.0076	0.13	<0.0069	<0.0074	<0.008	<0.0071	<0.0068	0.242
2-Methylnaphthalene	1,000	--	<0.038	0.208 J	<0.034	<0.037	<0.04	<0.036	<0.034	0.317 J
Acenaphthene	1,000	--	<0.0076	0.207	<0.0069	<0.0074	<0.008	<0.0071	<0.0068	0.388
Anthracene	1,000	--	<0.0076	0.274	<0.0069	<0.0074	<0.008	0.0075	<0.0068	0.455
Benzo(a)anthracene	3.9	--	<0.0076	0.70	<0.0069	<0.0074	<0.008	0.0441	<0.0068	1.45
Benzo(a)pyrene	0.39	--	0.0054 J	0.625	<0.0069	<0.0074	<0.008	0.04	<0.0068	1.65
Benzo(b)fluoranthene	3.9	--	0.0064 J	0.60	<0.0069	<0.0074	<0.008	0.0431	<0.0068	1.55
Benzo(g,h,i)perylene	--	--	<0.0076	0.395	<0.0069	<0.0074	<0.008	0.0259	<0.0068	1.03
Benzo(k)fluoranthene	39	--	0.0061 J	0.495	<0.0069	<0.0074	<0.008	0.0392	<0.0068	1.43
Chrysene	390	--	0.0082	0.763	<0.0069	<0.0074	<0.008	0.0524	<0.0068	1.5
Dibenzo(a,h)anthracene	0.39	--	<0.0076	0.16	<0.0069	<0.0074	<0.008	0.0054 J	<0.0068	0.27
Fluoranthene	1,000	--	0.015	1.49	<0.0069	<0.0074	<0.008	0.1	<0.0068	2.56
Fluorene	1,000	--	<0.0076	0.224	<0.0069	<0.0074	<0.008	<0.0071	<0.0068	0.391
Indeno(1,2,3-cd)pyrene	3.9	--	<0.0076	0.36	<0.0069	<0.0074	<0.008	0.023	<0.0068	0.94
Naphthalene	1,000	--	<0.038	0.517	<0.034	<0.037	<0.04	<0.036	<0.034	0.869
Phenanthrene	--	--	0.0111	1.41	<0.0069	<0.0074	<0.008	0.0432	<0.0068	1.94
Pyrene	1,000	--	0.0128	1.7	<0.0069	<0.0074	<0.008	0.111	<0.0068	3.51
Metals by EPA methods 6010B and 7471A (mg/kg)										
Arsenic	1.6*	100#	3.5	3.7	<2.1	2.5	<2.4	4.3	<1.9	7.4
Barium	160,000	2000#	107	99.2	30.2	33.6	130	73.9	29.8	114
Cadmium	810	20#	<0.93	<0.95	<0.85	5.6	<0.96	<0.83	<0.78	1.2
Chromium	53	100#	9.6	6.5	2.2	1.1	5.0	4.2	2.0	5.8
Lead	800	100#	29.2	97.2	<4.3	<4.3	5.2	102	<3.9	176
Mercury	310	4#	<0.11	0.50	<0.098	<0.11	<0.12	<0.10	<0.095	0.21
TCLP Metals by EPA method 6010B (mg/L)										
Lead	--	5	NS	NS	NS	NS	NS	<0.05	NS	0.94
Asbestos by Visual Estimate (percent of total)										
Total Asbestos in Sample	--	--	ND	0.5	ND	ND	ND	ND	ND	ND
Total Petroleum Hydrocarbons (TPH) by EPA method 8015B (mg/kg)										
TPH-DRO (C10-C28)	--	--	NS	248	269	NS	NS	NS	NS	219
Polychlorinated Biphenyls by EPA method 8082 (mg/kg) - NO DETECTIONS										

Notes:
Residential - Residential CSEV value
Worker - Worker CSEV value
CSEV - Colorado Soil Evaluation Values
bgs - below ground surface
TCLP - toxicity characteristic leachate procedure Maximum Concentration of Contaminants for Toxicity Characteristics
EPA - Environmental Protection Agency
mg/kg - milligrams per kilogram
XX - indicates an exceedance of Residential CSEV
XX - indicates an exceedance of Worker and Residential CSEV
XX - indicates an exceedance of 20 times the TCLP limit
J - estimated value
NS - not sampled
-- - no value
* - lower than background concentrations typically found in the Denver area of 15 mg/kg
# - 20x the Maximum Concentration of Contaminants for Toxicity Characteristics
<XX - compound concentration is less than the laboratory reporting limit
ND - not detected

Table 2. Summary of Groundwater Analytical Data
High Street Limited Subsurface Investigation
City and County of Denver

	CDPHE	HS-01	HS-02	HS-03	HS-04	HS-05	HS-07	HS-08	MW-1	MW-6
Depth to groundwater (feet bgs)		23.75	10.71	26.18	29.89	30.49	35.31	13.74	23.45	32.09
Volatile Organic Compounds by EPA method 8260B (µg/L)										
Acetone	--	<10	<10	<10	<10	<10	4.1 J	<10	5.1 J	<10
Chloroform	**3.5**	<2.0	1.1 J	3.1	**6.0**	2.9	0.73 J	<2.0	<2.0	2.1
cis-1,2-Dichloroethylene	**70**	10.4	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	12.2	<2.0
Tetrachloroethylene	**5**	**24.8**	1.0 J	2.8	<2.0	<2.0	<2.0	<2.0	**12.7**	<2.0
Trichloroethylene	**5**	**5.8**	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	4.6	<2.0
Polynuclear Aromatic Hydrocarbons by EPA method 8270C SIM (µg/L)										
1-Methylnaphthalene	--	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.57	<0.30	<0.30
2-Methylnaphthalene	--	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.40	<0.30	<0.30
Acenaphthene	**420**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	0.36	<0.30	<0.30
Naphthalene	**140**	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	3.8	<0.30	<0.30
Metals by EPA methods 6010B and 7471A (µg/L)										
Barium	**2000** [1]	113	93.7	56.5	53.1	55.5	61.5	309	120	51.6
Cadmium	**5** [1]	<10	<10	**18.2**	**109**	<10	<10	<10	<10	<10

CDPHE - Colorado Department of Public Health and Environment, Regulation 41, Basic Standards for Groundwater

[1] - Domestic Water Supply, Human Health Standards

EPA - Environmental Protection Agency

µg/L - micrograms per liter

J - estimated value

XX - indicates CDPHE Regulation 41 exceedance

<XX - compound concentration is less than the laboratory reporting limit

-- - no value

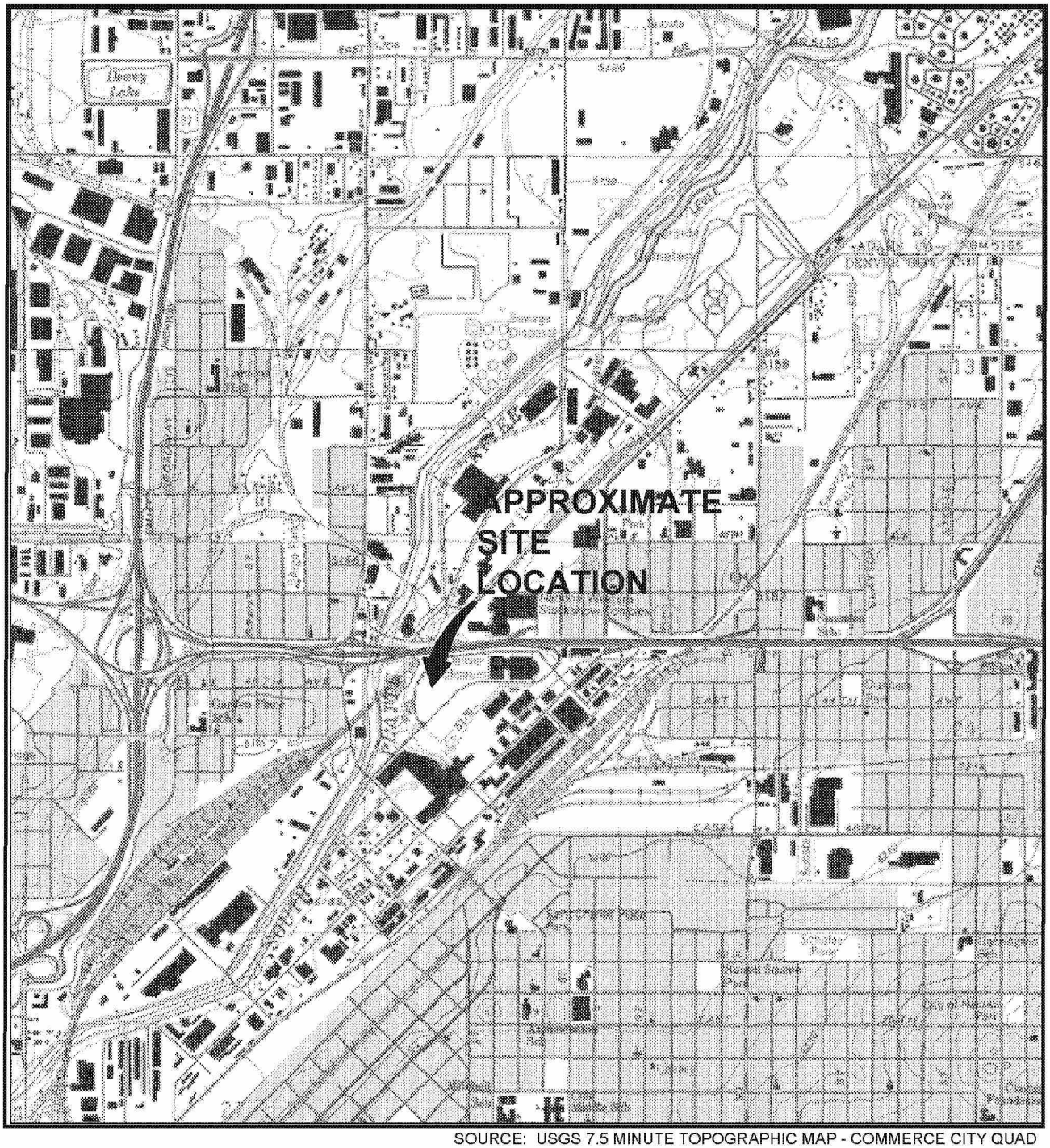
bgs - below ground surface

Table 3. Summary of Soil Gas Field Sampling Data
High Street Limited Subsurface Investigation
City and County of Denver

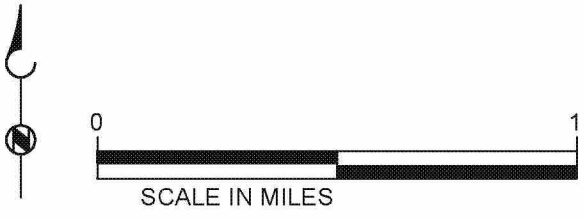
	Soil Gas (percent of total)				Sample Depth (feet below ground surface)	
	O2	CH4	CO2	Balance	Top	Bottom
HS-01	0.0	0.5	5.8	93.7	17	20
HS-02	0.0	43.4	16.3	40.5	7	10
HS-03	0.0	56.7	16.1	27.5	12	15
HS-04	17.3	0.0	1.3	81.4	17	20
HS-08	3.6	9.8	8.0	78.7	10	13

O_2 - oxygen
CH_4 - methane
CO_2 - carbon dioxide

FIGURES



SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP - COMMERCE CITY QUAD



BROWN AND CALDWELL

Figure 1
SITE VICINITY MAP

CITY AND COUNTY OF DENVER
HIGH STREET
STORM DRAINAGE PROJECT
DENVER, COLORADO

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Apr 19, 2010 - 10:32am kstanley

HS-01	
Benzo(a)anthracene	<0.0076
Benzo(a)pyrene	0.0054
Benzo(b)fluoranthene	0.0064
Dibenzo(a,h)anthracene	<0.0076
Indeno(1,2,3-cd)pyrene	<0.0076
Arsenic	3.5

HS-03	
Benzo(a)anthracene	<0.0069
Benzo(a)pyrene	<0.0069
Benzo(b)fluoranthene	<0.0069
Dibenzo(a,h)anthracene	<0.0069
Indeno(1,2,3-cd)pyrene	<0.0069
Arsenic	<2.1

HS-08	
Benzo(a)anthracene	1.45
Benzo(a)pyrene	1.65
Benzo(b)fluoranthene	1.55
Dibenzo(a,h)anthracene	0.267
Indeno(1,2,3-cd)pyrene	0.936
Arsenic	7.4

HS-04	
Benzo(a)anthracene	<0.0074
Benzo(a)pyrene	<0.0074
Benzo(b)fluoranthene	<0.0074
Dibenzo(a,h)anthracene	<0.0074
Indeno(1,2,3-cd)pyrene	<0.0074
Arsenic	2.5

HS-02	
Benzo(a)anthracene	0.698
Benzo(a)pyrene	0.625
Benzo(b)fluoranthene	0.599
Dibenzo(a,h)anthracene	0.155
Indeno(1,2,3-cd)pyrene	0.358
Arsenic	3.7

HS-05	
Benzo(a)anthracene	<0.008
Benzo(a)pyrene	<0.008
Benzo(b)fluoranthene	<0.008
Dibenzo(a,h)anthracene	<0.008
Indeno(1,2,3-cd)pyrene	<0.008
Arsenic	<2.4

HS-06	
Benzo(a)anthracene	0.0441
Benzo(a)pyrene	0.0423
Benzo(b)fluoranthene	0.0431
Dibenzo(a,h)anthracene	0.0054
Indeno(1,2,3-cd)pyrene	0.023
Arsenic	4.3

HS-07	
Benzo(a)anthracene	<0.0068
Benzo(a)pyrene	<0.0068
Benzo(b)fluoranthene	<0.0068
Dibenzo(a,h)anthracene	<0.0068
Indeno(1,2,3-cd)pyrene	<0.0068
Arsenic	<1.9

MW-1
HS-01
HS-08
HS-02
HS-03
HS-04
BRIGHTON BLVD
HS-05
40TH ST
MW-6
HS-06
HS-07
BLAKE

0 300' 600'
APPROXIMATE SCALE IN FEET

LEGEND

HS-07 SOIL AND GROUNDWATER SAMPLE LOCATION

MW-6 EXISTING MONITORING WELL LOCATION

CSEV COLORADO SOIL EVALUATION VALUES

mg/kg MILLIGRAMS PER KILOGRAM

REFERENCE STANDARD TABLE	
CONSTITUENT	WORKER CSEV EXCEEDANCE (mg/kg)
Benzo(a)anthracene	3.9
Benzo(a)pyrene	0.39
Benzo(b)fluoranthene	3.9
Dibenzo(a,h)anthracene	0.39
Indeno(1,2,3-cd)pyrene	3.9
Arsenic	1.6

BOLD RED TEXT INDICATES EXCEEDANCE

AERIAL PHOTO: GOOGLE EARTH

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BROWN AND CALDWELL

FIGURE 2 - SOIL SAMPLE EXCEEDANCES
CITY AND COUNTY OF DENVER
HIGH STREET STORM DRAINAGE PROJECT

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Mar 26, 2010 - 4:05pm kstanley

MW-1	
Chloroform	<2.0
Tetrachloroethylene	**12.7**
Trichloroethylene	4.6
Cadmium	<10

HS-02	
Chloroform	1.1
Tetrachloroethylene	1.0
Trichloroethylene	<2.0
Cadmium	<10

HS-03	
Chloroform	3.1
Tetrachloroethylene	2.8
Trichloroethylene	<2.0
Cadmium	**18.2**

HS-01	
Chloroform	<2.0
Tetrachloroethylene	**24.8**
Trichloroethylene	**5.8**
Cadmium	<10

HS-04	
Chloroform	**6.0**
Tetrachloroethylene	<2.0
Trichloroethylene	<2.0
Cadmium	**109**

HS-08	
Chloroform	<2.0
Tetrachloroethylene	<2.0
Trichloroethylene	<2.0
Cadmium	<10

HS-05	
Chloroform	2.9
Tetrachloroethylene	<2.0
Trichloroethylene	<2.0
Cadmium	<10

MW-6	
Chloroform	2.1
Tetrachloroethylene	<2.0
Trichloroethylene	<2.0
Cadmium	<10

HS-07	
Chloroform	0.73
Tetrachloroethylene	<2.0
Trichloroethylene	<2.0
Cadmium	<10

MW-1 HS-01 HS-08 HS-02 HS-03 HS-04 HS-05 HS-06 MW-6 HS-07

BRIGHTON BLVD

40TH ST

38TH

BLAKE

0 300' 600'

APPROXIMATE SCALE IN FEET

LEGEND

HS-07 SOIL AND GROUNDWATER SAMPLE LOCATION

MW-6 EXISTING MONITORING WELL LOCATION

CDPHE COLORADO DEPARTMENT OF PUBLIC HEALTH AND ENVIRONMENT, REGULATION 41, BASIC STANDARDS FOR GROUNDWATER

(µg/L) MICROGRAMS PER LITER

REFERENCE STANDARD TABLE	
CONSTITUENT	CDPHE EXCEEDANCE (µg/L)
Chloroform	**3.5**
Tetrachloroethylene	**5**
Trichloroethylene	**5**
Cadmium	**5**

BOLD BLUE TEXT INDICATES EXCEEDANCE

AERIAL PHOTO: GOOGLE EARTH

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BROWN AND CALDWELL

FIGURE 3 - GROUNDWATER SAMPLE EXCEEDANCES
CITY AND COUNTY OF DENVER
HIGH STREET STORM DRAINAGE PROJECT

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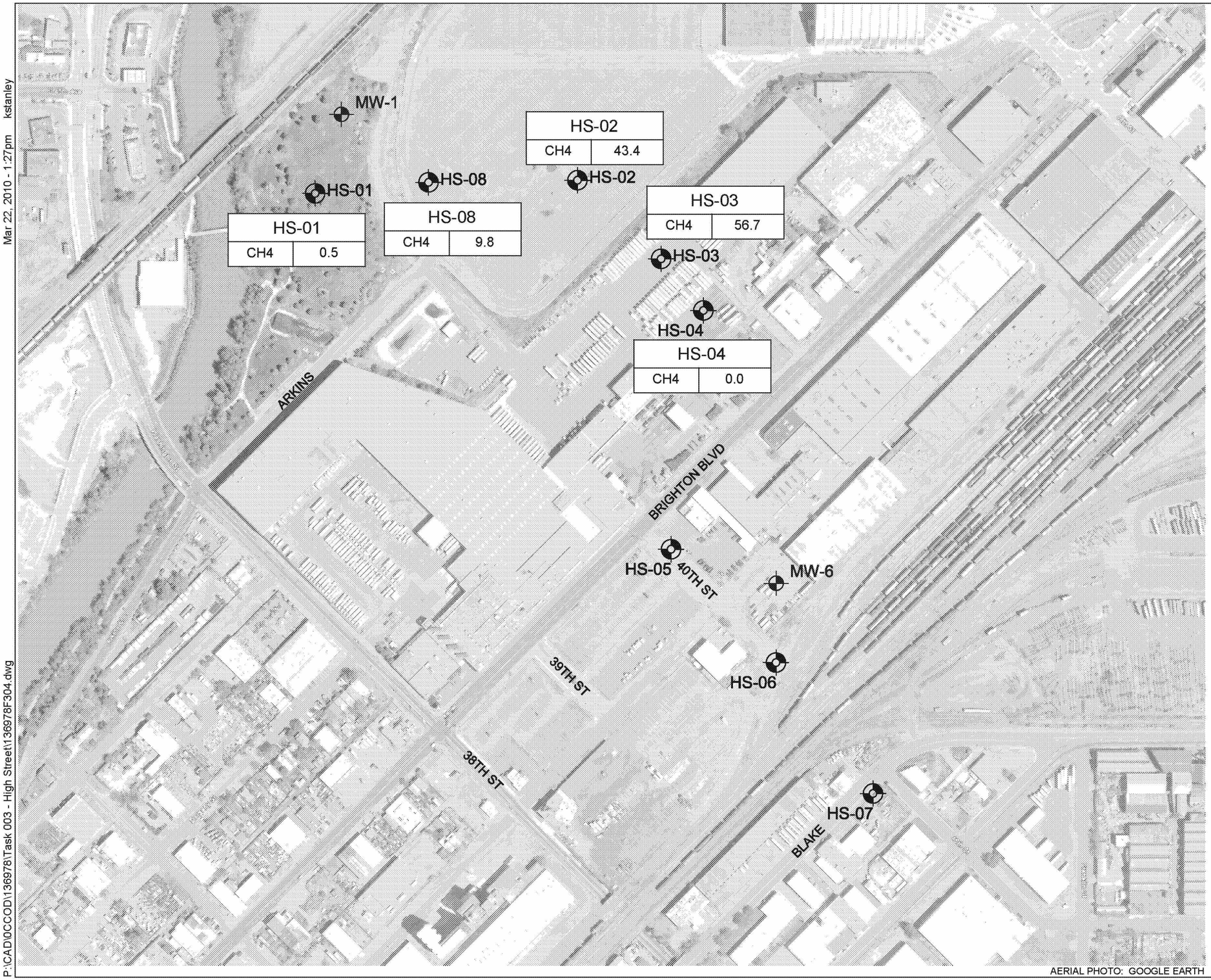
Mar 22, 2010 - 1:27pm kstanley



0 300' 600'

APPROXIMATE SCALE IN FEET

LEGEND

HS-07 SOIL AND GROUNDWATER SAMPLE LOCATION

MW-6 EXISTING MONITORING WELL LOCATION

CH_4 METHANE SOIL GAS CONCENTRATION (PERCENT OF TOTAL)

AERIAL PHOTO: GOOGLE EARTH

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BROWN AND CALDWELL

FIGURE 4 - METHANE SOIL GAS CONCENTRATION
CITY AND COUNTY OF DENVER
HIGH STREET STORM DRAINAGE PROJECT

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APPENDICES

APPENDIX A: FIELD NOTES

Location High Street Date 2/24/2010

Project / Client CCoD Soil & GW Sampling

0700 Todd Pomerantz, Kris Stanley & Lisa Ferrill met at 40th & Brighton location. Highway Technologies and ~~Vista~~ Geo science not here yet. Sitewise met us. Todd & Sitewise went to Pepsi Bottling plant parking lot to daylight. Vista showed up but H.T. not here. moving to park to start HS-01. Rich & Kenny are drillers

0820 Setting up at HS-01

~~0900~~ soil sample Drilled soil 5' cores w/Geoprobe

1000 Finishing taking soil samples. Temp Well is in place. Going to HS-05 to meet with Highway Tech and drill there. Will come back to purse and sample HS-01 later. 4-20z sample jars + 2-16 oz sample jars collected.

1030 Set up @ HS-05

Drilled and collected soil samples 4-20z jars 2-16oz jars

1100 Collected and collected water samples 1 amber 1 250ml 3-40ml

Location: High Street Date: 2/24/10
Project / Client: Soil + GW Sampling

1230 Set up at HS-01 to take water samples
Purged 3 vols. took YSI readings
1300 Sampled water
Drillers will take vapor sample
1500 After looking at area for HS-07 and seeing all the utilities we moved the site to a different corner of the intersection.
Drilled and soil sampled
1545 ~~Sampled soil 4-2oz 2-16oz~~
At 35' hit cobble and drilling stopped. lost drilling shoe. Offsetting hole and going to try to get 35'-40' core sample and see if we hit water. Drillers are getting resistance so they are going to not try for a soil sample, drill to 45' to try for a water sample. I will take the soil samples from the 25'-35' cores.
Drillers hit resistance again, the inner rods are starting to fuse together. They have something at the office that will help

Location: High Street Date: 2/24/10
Project / Client: Soil + GW Sampling

so we are going to meet in the morning and start again
1700 Packed up

Kris Stanley

8

Location: High Street Date: 2/25/10

Project / Client: Soil + GW Sampling

0700 Meet with drillers at HS-07. Drilled to 45' with some resistance.
Purged 3 volumes
0815 Sampled 3 voa, 1 250mL 1-amber
~~Drillers doing vapor sampling~~
0900 Set up at HS-04.
Drilled to 35'
0930 Sampled 4-2oz 2-16oz
Purged 3 volumes
1000 Sampled 3 voa 1-250 ml 1-amber
Drillers taking vapor sample.
The vapor readings were not what was expected so we are going to set up at HS-03 and when they do the vapor readings. compare them.
1135 Set up at HS-03
Drilled to 35'
1215 Sampled 7-2oz 2-16oz
Purged 3 vols
1250 Samples 3 voa 1-250 ml 1-amber
Drillers took vapor sample
1319 Set up HS-02
drillers took vapor sample

9

Location: High St. Date: 2/25/10

Project / Client: Soil + GW Sampling

The cores were black and debris filled until the 20-25' core which was wet sand and gravel
1350 Sampled soil 7-2oz 2-16oz
Purged 3 vols
1420 Sampled 3 voa 1-250 ml 1-amber
1430 Set up at HS-08
10'-20' BLK strong odor wood chunks glass debris
1455 Sampled 7-2oz 2-16oz
purged 3 vols
1515 sampled 3 voa 1-250 ml 1-amber
Packed up. dumped the purge water in the drum the city provided.

10

Location High Street Date 2/24/10

Project / Client Soil + GW Sampling

0730 Arrived at MW-01 (VB-I70) to water sample. Located well and had to free it from grass + roots. Set up to purge.

TD 27.8 wc 4.35

SWL 23.45 wv .7

Purged 3 vols.

0935 Sampled 3 voa 1-250ml 1-amber The well casing was filled with something (bentonite?) and the well plug was broken. I put the well plug back on when finished and put some of the filler back in.

1040 Set up at MW-06 (VB-I70) The well plug is covered over with the same substance as MW-1 Purged 3 vols

1110 Sampled 3voa 1-250mL 1amber Packed up. Dumped purge water in city provided drum, dropped off rinsates, unloaded and returned rental truck.

K S Shanley

11

Location Date

Project / Client

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: HS-01

PROJECT: High Street Storm Drainage Project PERSONNEL: Kris Stanley

JOB NUMBER: 136978 TASK: 003

Weather Conditions: ☐ Sun ☐ Partly Cloudy ☑ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 50 °F

Date/Time: 2/24/10 Other:

WELL DATA

Casing: Diameter (inches) 1

Type: ☐ Stainless Steel X PVC ☐ Other

Intake Screen: ☐ Stainless Steel X PVC ☐ Other

Elevation at top of Riser ft.

Depth to Static Water Level 23.75 ft.

Depth to Product Level ft.

Elevation of Static Water Level ft.

Depth to Well Bottom 35 ft.

Feet of Water in Well ~~23.75~~ 11.25 ft.

Calculated Volume of Water in Well 5 gal.

0.65 gal/ft 4" diameter,
0.167 gal/ft 2" diameter,
0.041 gal/ft 1" diamter

Measurement Datum: X Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition:

PURGING DATA

Number of Well Volumes Purged 2

Purge Method: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Other: Peristaltic

Materials: Bailer/Pump ☐ Teflon ☐ SS ☑ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other:

Pumping Rate gal./m

Elapsed Time Hrs:min

Volume Purged 1.5 gal.

Well Purged Dry? ☐ Yes ☑ No

Purging Equipment

☐ Dedicated X Disposable

☐ Field Cleaned

Time Series Data

Instruments: YSI 650 MDS/600XL Hanna 93703-11

Time	1251	1254	1258			
Volume (gal)	.5	1	1.5			
Temp (C)	10.55	10.57	10.7			
pH (SU)	8.89	8.64	8.5			
COND (µmhos/cm)	1.292	1.293	1.291			

SAMPLE DATA

Materials: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Date: 2/24/10 Time: 1300

Other: peristaltic

(Date and time should correspond with time on sample bottle)

Sampling Method: Bailer/Pump ☐ Teflon ☐ SS ☑ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated X Disposable ☐ Field Cleaned

Metals Field Filtered? X Yes ☐ No

Filtering Method: in-line/disposable

Filter Size: 0.45 micron

Duplicate Collected? ☐ Yes ☑ No

Duplicate Name/Time:

Number of Bottles Filled: 5

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

K Stanley
SIGNATURE

2/24/10
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: HS. 02

PROJECT: High Street Storm Drainage Project PERSONNEL: Kris Stanley

JOB NUMBER: 136978 TASK: 003

Weather Conditions: ☐ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 35 °F

Date/Time: 2/25/10 Other:

WELL DATA

Casing: Diameter (inches) 1

Type: ☐ Stainless Steel X PVC ☐ Other

Intake Screen: ☐ Stainless Steel X PVC ☐ Other

Elevation at top of Riser ft.

Depth to Static Water Level 10.71 ft.

Depth to Product Level ft.

Elevation of Static Water Level ft.

Depth to Well Bottom 25. ft.

Feet of Water in Well 14.29 ft.

Calculated Volume of Water in Well 1.6 gal.

0.65 gal/ft 4" diameter, 0.167 gal/ft 2" diameter, 0.041 gal/ft 1" diamter

Measurement Datum: X Top of Inner Casing ☐ Procasing Other

Concrete Pad/ Condition:

PURGING DATA

Number of Well Volumes Purged 3

Purge Method: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Other: Tubing/check valve

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: peristaltic

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other:

Pumping Rate gal./m

Elapsed Time Hrs:min

Volume Purged 1.8 gal.

Well Purged Dry? ☐ Yes ☑ No

Purging Equipment

☐ Dedicated X Disposable

☐ Field Cleaned

Time Series Data

Instruments: YSI 650 MDS/600XL Hanna 93703-11

Time	1412	1415	1417			
Volume (gal)	.6	1.2	1.8			
Temp (C)	11.16	11.23	11.24			
pH (SU)	8.32	8.19	8.06			
COND (µmhos/cm)	.599	.1037	.486			

SAMPLE DATA

Materials: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Date: 2/25/10 Time: 1420

Other:

(Date and time should correspond with time on sample bottle)

Sampling Method: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: tubing check valve

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other: peristaltic

Sampling Equipment: ☐ Dedicated X Disposable ☐ Field Cleaned

Metals Field Filtered? X Yes ☐ No

Filtering Method: in-line/disposable

Filter Size: 0.45 micron

Duplicate Collected? ☐ Yes ☑ No

Duplicate Name/Time:

Number of Bottles Filled: 5

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

SIGNATURE

2/25/10
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: HS-03

PROJECT: High Street Storm Drainage Project PERSONNEL: Kris Stanley

JOB NUMBER: 136978 TASK: 003

Weather Conditions: ☐ Sun ☐ Partly Cloudy ☑ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 55 °F

Date/Time: 2/25/10 Other:

WELL DATA

Casing: Diameter (inches) 1

Type: ☐ Stainless Steel X PVC ☐ Other

Intake Screen: ☐ Stainless Steel X PVC ☐ Other

Elevation at top of Riser ____ ft.

Depth to Static Water Level 26.18 ft.

Depth to Product Level ____ ft.

Elevation of Static Water Level ____ ft.

Depth to Well Bottom 35' ft.

Feet of Water in Well 8.82 ft.

Calculated Volume of Water in Well 4 gal.

0.65 gal/ft 4" diameter,
0.167 gal/ft 2" diameter,
0.041 gal/ft 1" diameter

Measurement Datum: X Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition:

PURGING DATA

Number of Well Volumes Purged 3

Purge Method: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Other: tubing/check valve

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: peristaltic pump

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other:

Pumping Rate ____ gal./m

Elapsed Time ____ Hrs:min

Volume Purged 1.2 gal.

Well Purged Dry? ☐ Yes ☑ No

Time Series Data

Instruments: YSI 650 MDS/600XL Hanna 93703-11

Time	1236	1236	1241			
Volume (gal)	.4	.8	1.2			
Temp (C)	11.48	11.29	11.31			
pH (SU)	8.42	8.30	8.22			
COND (umhos/cm)	.617	.608	0.166			

Purging Equipment

☐ Dedicated X Disposable

☐ Field Cleaned

SAMPLE DATA

Materials: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Date: 2/25/10 Time: 1250

Other:

(Date and time should correspond with time on sample bottle)

Sampling Method: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: tubing/check valve

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other: peristaltic pump

Sampling Equipment: ☐ Dedicated X Disposable ☐ Field Cleaned

Metals Field Filtered? X Yes ☐ No

Filtering Method: in-line/disposable

Filter Size: 0.45 micron

Duplicate Collected? ☐ Yes ☑ No

Duplicate Name/Time:

Number of Bottles Filled: 5

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

K Stanley
SIGNATURE

2/25/10
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: HS-04

PROJECT: High Street Storm Drainage Project PERSONNEL: Kris Stanley

JOB NUMBER: 136978 TASK: 003

Weather Conditions: ☐ Sun ☑ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 30 °F

Date/Time: 2/25/10 Other:

WELL DATA

Casing: Diameter (inches) 1

Type: ☐ Stainless Steel X PVC ☐ Other

Intake Screen: ☐ Stainless Steel X PVC ☐ Other

Elevation at top of Riser ____ ft.

Depth to Static Water Level 29.89 ft.

Depth to Product Level ____ ft.

Elevation of Static Water Level ____ ft.

Depth to Well Bottom 35.00 ft.

Feet of Water in Well 5.11 ft.

Calculated Volume of Water in Well 1.2 gal.

0.65 gal/ft 4" diameter,
0.167 gal/ft 2" diameter,
0.041 gal/ft 1" diamter

Measurement Datum: X Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition:

PURGING DATA

Number of Well Volumes Purged 3

Purge Method: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Other: tubing/check valve

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other:

Pumping Rate ____ gal./m

Elapsed Time ____ Hrs:min

Volume Purged 1.6 gal.

Well Purged Dry? ☐ Yes ☑ No

Purging Equipment

☐ Dedicated X Disposable

☐ Field Cleaned

Time Series Data

Instruments: YSI 650 MDS/600XL Hanna 93703-11

Time	0945	0949	0950			
Volume (gal)	1.2	1.4	1.6			
Temp (C)	10.55	9.4	8.75			
pH (SU)	8.32	8.31	8.25			
COND (µmhos/cm)	0.569	0.571	.516			

SAMPLE DATA

Materials: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Date: 2/25/10 Time: 1000

Other:

(Date and time should correspond with time on sample bottle)

Sampling Method: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: tubing/check valve

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other: and peristaltic pump

Sampling Equipment: ☐ Dedicated X Disposable ☐ Field Cleaned

Metals Field Filtered? X Yes ☐ No

Filtering Method: in-line/disposable

Filter Size: 0.45 micron

Duplicate Collected? ☐ Yes ☑ No

Duplicate Name/Time:

Number of Bottles Filled: 5

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

K Stanley
SIGNATURE

2/25/10
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: HS.05

PROJECT: High Street Storm Drainage Project PERSONNEL: Kris Stanley

JOB NUMBER: 136978 TASK: 003

Weather Conditions: ☐ Sun ☐ Partly Cloudy ☑ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 30 °F

Date/Time: 2/24/10 1115 Other:

WELL DATA

Casing: Diameter (inches) 1

Type: ☐ Stainless Steel X PVC ☐ Other

Intake Screen: ☐ Stainless Steel X PVC ☐ Other

Elevation at top of Riser ____ ft.

Depth to Static Water Level ____ ft.

Depth to Product Level ____ ft.

Elevation of Static Water Level 30.49 ft.

Depth to Well Bottom 34 ft.

Feet of Water in Well 3.51 ft.

Calculated Volume of Water in Well .14 gal.

0.65 gal/ft 4" diameter,
0.167 gal/ft 2" diameter,
0.041 gal/ft 1" diameter

Measurement Datum: X Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition:

PURGING DATA

Number of Well Volumes Purged 4

Purge Method: ☐ Bladder Pump ☑ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other:

Pumping Rate ____ gal./m

Elapsed Time ____ Hrs:min

Volume Purged .14 gal.

Well Purged Dry? ☐ Yes ☑ No

Time Series Data

Instruments: YSI 650 MDS/600XL Hanna 93703-11

Time						
Volume (gal)						
Temp (C)						
pH (SU)						
COND (umhos/cm)						

Purging Equipment

☐ Dedicated X Disposable

☐ Field Cleaned

SAMPLE DATA

Materials: ☐ Bladder Pump ☐ Bailer ☑ Sub Pump Date: 2/24/10 Time: 11:00

Other:

(Date and time should correspond with time on sample bottle)

Sampling Method: Bailer/Pump ☐ Teflon ☐ SS ☑ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated X Disposable ☐ Field Cleaned

Metals Field Filtered? X Yes ☐ No

Filtering Method: in-line/disposable

Filter Size: 0.45 micron

Duplicate Collected? ☐ Yes ☑ No

Duplicate Name/Time:

Number of Bottles Filled: 5

Comments: Sampled Soil @ 1100

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

K Stanley
SIGNATURE

2/24/10
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: HS 07

PROJECT: High Street Storm Drainage Project PERSONNEL: Kris Stanley

JOB NUMBER: 136978 TASK: 003

Weather Conditions: ☐ Sun ☐ Partly Cloudy ☑ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 38 °F

Date/Time: 2/24/10 Other:

WELL DATA

Casing: Diameter (inches) 1

Type: ☐ Stainless Steel X PVC ☐ Other

Intake Screen: ☐ Stainless Steel X PVC ☐ Other

Elevation at top of Riser ____ ft.

Depth to Static Water Level 35.31 ft.

Depth to Product Level ____ ft.

Elevation of Static Water Level ____ ft.

Depth to Well Bottom 45 ft.

Feet of Water in Well 1.69 ft.

Calculated Volume of Water in Well .4 gal.

0.65 gal/ft 4" diameter,
0.167 gal/ft 2" diameter,
0.041 gal/ft 1" diamter

Measurement Datum: X Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition:

PURGING DATA

Number of Well Volumes Purged 3

Purge Method: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☑ PE Other: tubing & check valve

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other:

Pumping Rate ____ gal./m

Elapsed Time ____ Hrs:min

Volume Purged 1.2 gal.

Well Purged Dry? ☐ Yes ☑ No

Purging Equipment

☐ Dedicated X Disposable

☐ Field Cleaned

Time Series Data

Instruments: YSI 650 MDS/600XL Hanna 93703-11

Time	0753	0759	1804			
Volume (gal)	.4	.8	1.2			
Temp (C)	10.17	10.4	8.74			
pH (SU)	8.41	8.48	8.41			
COND (µmhos/cm)	1.074	0.614	0.576			

SAMPLE DATA

Materials: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Date: 2/25/10 Time: 0815

Other:

(Date and time should correspond with time on sample bottle)

Sampling Method: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other: tubing & check valve

Cord/Tubing ☐ Teflon ☐ Polypropylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated X Disposable ☐ Field Cleaned

Metals Field Filtered? X Yes ☐ No

Filtering Method: in-line/disposable

Filter Size: 0.45 micron

Duplicate Collected? ☐ Yes ☑ No

Duplicate Name/Time:

Number of Bottles Filled: 5

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

K Stanley
SIGNATURE

2/25/10
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: HS-08

PROJECT: High Street Storm Drainage Project PERSONNEL: Kris Stanley

JOB NUMBER: 136978 TASK: 003

Weather Conditions: ☐ Sun ☐ Partly Cloudy ☑ Cloudy ☐ Rain ☐ Snow ☑ Windy Temperature: 35 °F

Date/Time: 2/25/10 Other:

WELL DATA

Casing: Diameter (inches) 1

Type: ☐ Stainless Steel X PVC ☐ Other

Intake Screen: ☐ Stainless Steel X PVC ☐ Other

Elevation at top of Riser		ft.
Depth to Static Water Level	13.74	ft.
Depth to Product Level		ft.
Elevation of Static Water Level		ft.
Depth to Well Bottom	20	ft.
Feet of Water in Well	6.26	ft.
Calculated Volume of Water in Well	3	gal.

0.65 gal/ft 4" diameter, 0.167 gal/ft 2" diameter, 0.041 gal/ft 1" diamter

Measurement Datum: X Top of Inner Casing ☐ Procasing Other

Concrete Pad/ Condition:

PURGING DATA

Number of Well Volumes Purged 3

Purge Method: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Other: peristaltic pump

Materials: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☑ PE Other:

Cord/Tubing ☐ Teflon ☑ Polypropylene ☐ Nylon Other:

Pumping Rate _____ gal./m

Elapsed Time _____ Hrs:min

Volume Purged 9 gal.

Well Purged Dry? ☐ Yes ☑ No

Purging Equipment

☐ Dedicated X Disposable ☐ Field Cleaned

Time Series Data

Instruments: YSI 650 MDS/600XL Hanna 93703-11

Time	1510	1512	1514			
Volume (gal)	.3	.6	.9			
Temp (C)	8.55	8.68	9.03			
pH (SU)	7.77	7.67	7.61			
COND (umhos/cm)	.684	.683	.898			

SAMPLE DATA

Materials: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump Date: 2/25/10 Time: 1515

Other: peristaltic pump (Date and time should correspond with time on sample bottle)

Sampling Method: Bailer/Pump ☐ Teflon ☐ SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☑ Polypropylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated X Disposable ☐ Field Cleaned Metals Field Filtered? X Yes ☐ No

Filtering Method: in-line/disposable

Filter Size: 0.45 micron

Duplicate Collected? ☐ Yes ☑ No

Duplicate Name/Time:

Number of Bottles Filled: 5

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

K Stanley
SIGNATURE

2/25/10
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-1

PROJECT: High Street Storm Drainage Project PERSONNEL: Kris Stanley

JOB NUMBER: 136978 TASK: 003

Weather Conditions: ☒ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 25 °F

Date/Time: 2/26/10 Other:

WELL DATA

Casing: Diameter (inches) 2

Type: ☐ Stainless Steel X PVC ☐ Other

Intake Screen: ☐ Stainless Steel X PVC ☐ Other

Elevation at top of Riser ____ ft.

Depth to Static Water Level 23.45 ft.

Depth to Product Level ____ ft.

Elevation of Static Water Level ____ ft.

Depth to Well Bottom 27.80 ft.

Feet of Water in Well 4.35 ft.

Calculated Volume of Water in Well .7 gal. 0.65 gal/ft 4" diameter, 0.167 gal/ft 2" diameter

Measurement Datum: X Top of Inner Casing ☐ Procasing

Other

Concrete Pad/ Condition:

PURGING DATA

Number of Well Volumes Purged 2

Purge Method: ☐ Bladder Pump ☐ Bailer ☐ Sub Pump X Other: Peristaltic Pump

Materials: Bailer/Pump ☐ Teflon X SS X PVC ☐ PE Other:

Cord/Tubing ☐ Teflon X Polypropylene ☐ Nylon Other:

Pumping Rate ____ gal./m

Elapsed Time ____ Hrs:min

Volume Purged 2.1 gal.

Well Purged Dry? ☐ Yes X No

Purging Equipment

☐ Dedicated X Disposable

☐ Field Cleaned

Time Series Data

Instruments: YSI 650 MDS/600XL Hanna 93703-11

Time	0919	0925	0930			
Volume (gal)	.7	1.4	2.1			
Temp (C)	7.6	8.56	8.9			
pH (SU)	7.68	7.79	7.71			
COND (umhos/cm)	1.233	1.293	1.313			
DO (mg/L)						
ORP (mV)						

SAMPLE DATA

Materials: ☐ Bladder Pump X Bailer ☐ Sub Pump Date: 2/26/10 Time: 0935

X Other: Peristaltic Pump (Date and time should correspond with time on sample bottle)

Sampling Method: Bailer/Pump ☐ Teflon X SS ☐ PVC ☐ PE Other:

Cord/Tubing ☐ Teflon X Polypropylene ☐ Nylon Other:

Sampling Equipment: ☐ Dedicated X Disposable ☐ Field Cleaned

Metals Field Filtered? X Yes ☐ No

Filtering Method: in-line/disposable

Filter Size: 0.45 micron

Duplicate Collected? ☐ Yes ☑ No

Duplicate Name/Time:

Number of Bottles Filled: 5

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

K Stanley
SIGNATURE

2/26/10
DATE

BROWN AND CALDWELL

GROUNDWATER SAMPLING FIELD DATA

WELL NUMBER: MW-6

PROJECT: High Street Storm Drainage Project PERSONNEL: Kris Stanley

JOB NUMBER: 136978 TASK: 003

Weather Conditions: ☐ Sun ☐ Partly Cloudy ☐ Cloudy ☐ Rain ☐ Snow ☐ Windy Temperature: 40 °F

Date/Time: 2/26/10 Other:

WELL DATA

Casing: Diameter (inches) 2

Type: ☐ Stainless Steel X PVC ☐ Other

Intake Screen: ☐ Stainless Steel X PVC ☐ Other

Elevation at top of Riser ft.

Depth to Static Water Level 32.09 ft.

Depth to Product Level ft.

Elevation of Static Water Level ft.

Depth to Well Bottom 38.54 ft.

Feet of Water in Well 6.45 ft.

Calculated Volume of Water in Well 1 gal. (0.65 gal/ft 4" diameter, 0.167 gal/ft 2" diameter)

Measurement Datum: X Top of Inner Casing ☐ Procasing Other

Concrete Pad/ Condition:

PURGING DATA

Number of Well Volumes Purged 3

Purge Method: ☐ Bladder Pump X Bailer ☐ Sub Pump Other:

Materials: Bailer/Pump ☐ Teflon ☐ SS X PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polypropylene X Nylon Other:

Pumping Rate gal./m

Elapsed Time Hrs:min

Volume Purged 3 gal.

Well Purged Dry? ☐ Yes ☑ No

Purging Equipment

☐ Dedicated X Disposable

☐ Field Cleaned

Time Series Data

Instruments: YSI 650 MDS/600XL Hanna 93703-11

Time	1130	1103	1106			
Volume (gal)	1	2	3			
Temp (C)	10.65	10.56	10.56			
pH (SU)	7.84	7.85	7.82			
COND (umhos/cm)	1.180	1.183	1.178			

SAMPLE DATA

Materials: ☐ Bladder Pump X Bailer ☐ Sub Pump Date: 2/26/10 Time: 1110

Other: (Date and time should correspond with time on sample bottle)

Sampling Method: Bailer/Pump ☐ Teflon ☐ SS X PVC ☐ PE Other:

Cord/Tubing ☐ Teflon ☐ Polypropylene X Nylon Other:

Sampling Equipment: ☐ Dedicated X Disposable ☐ Field Cleaned

Metals Field Filtered? X Yes ☐ No

Filtering Method: in-line/disposable

Filter Size: 0.45 micron

Duplicate Collected? ☐ Yes ☑ No

Duplicate Name/Time:

Number of Bottles Filled: 5

Comments

THIS SAMPLE WAS COLLECTED AND HANDLED IN ACCORDANCE WITH APPLICABLE REGULATORY AND CORPORATE PROTOCOLS

K Stanley
SIGNATURE

2/26/10
DATE

APPENDIX B: LABORATORY REPORTS

Sample Summary

CCOD Environmental Services

Job No: D11321

CCOD High Street

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
D11321-1	02/24/10	09:00	KS	02/26/10	SO	Soil	HS-01
D11321-2	02/24/10	13:00	KS	02/26/10	AQ	Water	HS-01
D11321-2F	02/24/10	13:00	KS	02/26/10	AQ	Water Filtered	HS-01
D11321-3	02/24/10	11:00	KS	02/26/10	SO	Soil	HS-05
D11321-4	02/24/10	11:00	KS	02/26/10	AQ	Water	HS-05
D11321-4F	02/24/10	11:00	KS	02/26/10	AQ	Water Filtered	HS-05
D11321-5	02/24/10	10:30	KS	02/26/10	SO	Soil	HS-06
D11321-6	02/24/10	15:45	KS	02/26/10	SO	Soil	HS-07
D11321-7	02/25/10	08:15	KS	02/26/10	AQ	Water	HS-07
D11321-7F	02/25/10	08:15	KS	02/26/10	AQ	Water Filtered	HS-07
D11321-8	02/25/10	09:30	KS	02/26/10	SO	Soil	HS-04
D11321-9	02/25/10	10:00	KS	02/26/10	AQ	Water	HS-04
D11321-9F	02/25/10	10:00	KS	02/26/10	AQ	Water Filtered	HS-04

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

CCOD Environmental Services

Job No: D11321

CCOD High Street

Sample Number	Collected Date	Time	By	Received	Matrix Code	Matrix Type	Client Sample ID
D11321-10	02/25/10	12:15	KS	02/26/10	SO	Soil	HS-03
D11321-11	02/25/10	12:50	KS	02/26/10	AQ	Water	HS-03
D11321-11F	02/25/10	12:50	KS	02/26/10	AQ	Water Filtered	HS-03
D11321-12	02/25/10	13:50	KS	02/26/10	SO	Soil	HS-02
D11321-13	02/25/10	14:20	KS	02/26/10	AQ	Water	HS-02
D11321-13F	02/25/10	14:20	KS	02/26/10	AQ	Water Filtered	HS-02
D11321-14	02/25/10	14:55	KS	02/26/10	SO	Soil	HS-08
D11321-15	02/25/10	15:15	KS	02/26/10	AQ	Water	HS-08
D11321-15F	02/25/10	15:15	KS	02/26/10	AQ	Water Filtered	HS-08
D11321-16	02/26/10	09:35	KS	02/26/10	AQ	Water	MW-1
D11321-16F	02/26/10	09:35	KS	02/26/10	AQ	Water Filtered	MW-1
D11321-17	02/26/10	11:10	KS	02/26/10	AQ	Water	MW-6
D11321-17F	02/26/10	11:10	KS	02/26/10	AQ	Water Filtered	MW-6

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Report of Analysis

Client Sample ID:	HS-01		
Lab Sample ID:	D11321-1	**Date Sampled:**	02/24/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8260B	**Percent Solids:**	88.0
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03538.D	1	03/04/10	DC	n/a	n/a	V3V160
Run #2							

	Initial Weight
Run #1	1.00 g
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	110	57	ug/kg	
71-43-2	Benzene	ND	5.7	5.7	ug/kg	
75-27-4	Bromodichloromethane	ND	28	11	ug/kg	
75-25-2	Bromoform	ND	28	11	ug/kg	
108-90-7	Chlorobenzene	ND	28	11	ug/kg	
75-00-3	Chloroethane	ND	28	11	ug/kg	
67-66-3	Chloroform	ND	28	5.7	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	110	68	ug/kg	
75-15-0	Carbon disulfide	ND	28	11	ug/kg	
56-23-5	Carbon tetrachloride	ND	28	11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	28	11	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	28	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	28	5.7	ug/kg	
78-87-5	1,2-Dichloropropane	ND	28	11	ug/kg	
124-48-1	Dibromochloromethane	ND	28	11	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	28	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	28	11	ug/kg	
541-73-1	m-Dichlorobenzene	ND	28	11	ug/kg	
95-50-1	o-Dichlorobenzene	ND	28	11	ug/kg	
106-46-7	p-Dichlorobenzene	ND	28	11	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	28	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	28	11	ug/kg	
100-41-4	Ethylbenzene	ND	28	11	ug/kg	
591-78-6	2-Hexanone	ND	110	17	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	110	17	ug/kg	
74-83-9	Methyl bromide	ND	28	11	ug/kg	
74-87-3	Methyl chloride	ND	28	11	ug/kg	
75-09-2	Methylene chloride	ND	28	11	ug/kg	
78-93-3	Methyl ethyl ketone	ND	110	23	ug/kg	
100-42-5	Styrene	ND	28	11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	28	5.7	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	57	11	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-01		
Lab Sample ID:	D11321-1	**Date Sampled:**	02/24/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8260B	**Percent Solids:**	88.0
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	28	11	ug/kg	
127-18-4	Tetrachloroethylene	ND	28	11	ug/kg	
108-88-3	Toluene	ND	11	11	ug/kg	
79-01-6	Trichloroethylene	ND	28	5.7	ug/kg	
75-01-4	Vinyl chloride	ND	28	11	ug/kg	
108-05-4	Vinyl Acetate	ND	110	45	ug/kg	
1330-20-7	Xylene (total)	ND	28	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	89%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	77%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-01		
Lab Sample ID:	D11321-1	Date Sampled:	02/24/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3540C	Percent Solids:	88.0
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G06095.D	1	03/10/10	TMB	03/03/10	OP1503	E1G187
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	7.6	7.1	ug/kg	
208-96-8	Acenaphthylene	ND	38	7.8	ug/kg	
120-12-7	Anthracene	ND	7.6	4.9	ug/kg	
56-55-3	Benzo(a)anthracene	ND	7.6	7.4	ug/kg	
50-32-8	Benzo(a)pyrene	5.4	7.6	4.8	ug/kg	J
205-99-2	Benzo(b)fluoranthene	6.4	7.6	5.5	ug/kg	J
191-24-2	Benzo(g,h,i)perylene	ND	7.6	4.7	ug/kg	
207-08-9	Benzo(k)fluoranthene	6.1	7.6	4.8	ug/kg	J
218-01-9	Chrysene	8.2	7.6	3.8	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	7.6	5.6	ug/kg	
206-44-0	Fluoranthene	15.0	7.6	4.7	ug/kg	
86-73-7	Fluorene	ND	7.6	7.4	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	7.6	5.0	ug/kg	
90-12-0	1-Methylnaphthalene	ND	7.6	6.7	ug/kg	
91-57-6	2-Methylnaphthalene	ND	38	12	ug/kg	
91-20-3	Naphthalene	ND	38	8.4	ug/kg	
85-01-8	Phenanthrene	11.1	7.6	6.0	ug/kg	
129-00-0	Pyrene	12.8	7.6	5.1	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	73%		33-130%
321-60-8	2-Fluorobiphenyl	74%		37-130%
1718-51-0	Terphenyl-d14	79%		48-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-01		
Lab Sample ID:	D11321-1	**Date Sampled:**	02/24/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
		Percent Solids:	88.0
Project:	CCOD High Street		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.5	2.3	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Barium	107	0.93	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.93	0.93	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Chromium	9.6	0.93	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Lead	29.2	4.7	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.11	0.11	mg/kg	1	03/04/10	03/04/10	NC	SW846 7471A [1]	SW846 7471A [4]
Selenium	< 4.7	4.7	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Silver	< 2.8	2.8	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA457
(2) Instrument QC Batch: MA459
(3) Prep QC Batch: MP1395
(4) Prep QC Batch: MP1396

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-01		
Lab Sample ID:	D11321-2	Date Sampled:	02/24/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03582.D	1	03/07/10	DC	n/a	n/a	V3V163
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	10.4	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-01		
Lab Sample ID:	D11321-2	Date Sampled:	02/24/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	24.8	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	5.8	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	77%		70-130%
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-01		
Lab Sample ID:	D11321-2	Date Sampled:	02/24/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3520C	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G05954.D	1	03/04/10	TMB	03/01/10	OP1483	E1G182
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.30	0.29	ug/l	
208-96-8	Acenaphthylene	ND	0.30	0.27	ug/l	
120-12-7	Anthracene	ND	0.30	0.27	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.30	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.30	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.30	0.27	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.30	0.26	ug/l	
218-01-9	Chrysene	ND	0.30	0.27	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.30	0.27	ug/l	
206-44-0	Fluoranthene	ND	0.30	0.27	ug/l	
86-73-7	Fluorene	ND	0.30	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.30	0.27	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-20-3	Naphthalene	ND	0.30	0.26	ug/l	
85-01-8	Phenanthrene	ND	0.30	0.27	ug/l	
129-00-0	Pyrene	ND	0.30	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		45-130%
321-60-8	2-Fluorobiphenyl	65%		45-130%
1718-51-0	Terphenyl-d14	84%		47-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-01		
Lab Sample ID:	D11321-2F	**Date Sampled:**	02/24/10
Matrix:	AQ - Water Filtered	**Date Received:**	02/26/10
		Percent Solids:	n/a
Project:	CCOD High Street		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 25	25	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Barium	113	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Cadmium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Chromium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Lead	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Mercury	< 0.10	0.10	ug/l	1	03/05/10	03/05/10	CM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Silver	< 30	30	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]

(1) Instrument QC Batch: MA462
(2) Instrument QC Batch: MA467
(3) Prep QC Batch: MP1399
(4) Prep QC Batch: MP1407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-05		
Lab Sample ID:	D11321-3	Date Sampled:	02/24/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	83.1
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03539.D	1	03/04/10	DC	n/a	n/a	V3V160
Run #2							

	Initial Weight
Run #1	1.00 g
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	120	60	ug/kg	
71-43-2	Benzene	ND	6.0	6.0	ug/kg	
75-27-4	Bromodichloromethane	ND	30	12	ug/kg	
75-25-2	Bromoform	ND	30	12	ug/kg	
108-90-7	Chlorobenzene	ND	30	12	ug/kg	
75-00-3	Chloroethane	ND	30	12	ug/kg	
67-66-3	Chloroform	ND	30	6.0	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	120	72	ug/kg	
75-15-0	Carbon disulfide	ND	30	12	ug/kg	
56-23-5	Carbon tetrachloride	ND	30	12	ug/kg	
75-34-3	1,1-Dichloroethane	ND	30	12	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	30	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	30	6.0	ug/kg	
78-87-5	1,2-Dichloropropane	ND	30	12	ug/kg	
124-48-1	Dibromochloromethane	ND	30	12	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	30	12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	30	12	ug/kg	
541-73-1	m-Dichlorobenzene	ND	30	12	ug/kg	
95-50-1	o-Dichlorobenzene	ND	30	12	ug/kg	
106-46-7	p-Dichlorobenzene	ND	30	12	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	30	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	30	12	ug/kg	
100-41-4	Ethylbenzene	ND	30	12	ug/kg	
591-78-6	2-Hexanone	ND	120	18	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	120	18	ug/kg	
74-83-9	Methyl bromide	ND	30	12	ug/kg	
74-87-3	Methyl chloride	ND	30	12	ug/kg	
75-09-2	Methylene chloride	ND	30	12	ug/kg	
78-93-3	Methyl ethyl ketone	ND	120	24	ug/kg	
100-42-5	Styrene	ND	30	12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	30	6.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	60	12	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-05		
Lab Sample ID:	D11321-3	Date Sampled:	02/24/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	83.1
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	30	12	ug/kg	
127-18-4	Tetrachloroethylene	ND	30	12	ug/kg	
108-88-3	Toluene	ND	12	12	ug/kg	
79-01-6	Trichloroethylene	ND	30	6.0	ug/kg	
75-01-4	Vinyl chloride	ND	30	12	ug/kg	
108-05-4	Vinyl Acetate	ND	120	48	ug/kg	
1330-20-7	Xylene (total)	ND	30	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	89%		70-130%
460-00-4	4-Bromofluorobenzene	83%		70-130%
17060-07-0	1,2-Dichloroethane-D4	77%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-05		
Lab Sample ID:	D11321-3	Date Sampled:	02/24/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3540C	Percent Solids:	83.1
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G06096.D	1	03/11/10	TMB	03/03/10	OP1503	E1G187
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	8.0	7.5	ug/kg	
208-96-8	Acenaphthylene	ND	40	8.3	ug/kg	
120-12-7	Anthracene	ND	8.0	5.2	ug/kg	
56-55-3	Benzo(a)anthracene	ND	8.0	7.9	ug/kg	
50-32-8	Benzo(a)pyrene	ND	8.0	5.1	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	8.0	5.8	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	8.0	5.0	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	8.0	5.1	ug/kg	
218-01-9	Chrysene	ND	8.0	4.0	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	8.0	5.9	ug/kg	
206-44-0	Fluoranthene	ND	8.0	4.9	ug/kg	
86-73-7	Fluorene	ND	8.0	7.9	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	8.0	5.3	ug/kg	
90-12-0	1-Methylnaphthalene	ND	8.0	7.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	40	12	ug/kg	
91-20-3	Naphthalene	ND	40	8.9	ug/kg	
85-01-8	Phenanthrene	ND	8.0	6.4	ug/kg	
129-00-0	Pyrene	ND	8.0	5.4	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		33-130%
321-60-8	2-Fluorobiphenyl	79%		37-130%
1718-51-0	Terphenyl-d14	91%		48-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-05		
Lab Sample ID:	D11321-3	**Date Sampled:**	02/24/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
		Percent Solids:	83.1
Project:	CCOD High Street		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 2.4	2.4	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Barium	130	0.96	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.96	0.96	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Chromium	5.0	0.96	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Lead	5.2	4.8	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.12	0.12	mg/kg	1	03/04/10	03/04/10	NC	SW846 7471A [1]	SW846 7471A [4]
Selenium	< 4.8	4.8	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Silver	< 2.9	2.9	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA457
(2) Instrument QC Batch: MA459
(3) Prep QC Batch: MP1395
(4) Prep QC Batch: MP1396

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-05		
Lab Sample ID:	D11321-4	Date Sampled:	02/24/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03579.D	1	03/07/10	DC	n/a	n/a	V3V163
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	2.9	2.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-05		
Lab Sample ID:	D11321-4	Date Sampled:	02/24/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	77%		70-130%
2037-26-5	Toluene-D8	87%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-05		
Lab Sample ID:	D11321-4	Date Sampled:	02/24/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3520C	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G05955.D	1	03/04/10	TMB	03/01/10	OP1483	E1G182
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.30	0.29	ug/l	
208-96-8	Acenaphthylene	ND	0.30	0.27	ug/l	
120-12-7	Anthracene	ND	0.30	0.27	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.30	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.30	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.30	0.27	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.30	0.26	ug/l	
218-01-9	Chrysene	ND	0.30	0.27	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.30	0.27	ug/l	
206-44-0	Fluoranthene	ND	0.30	0.27	ug/l	
86-73-7	Fluorene	ND	0.30	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.30	0.27	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-20-3	Naphthalene	ND	0.30	0.26	ug/l	
85-01-8	Phenanthrene	ND	0.30	0.27	ug/l	
129-00-0	Pyrene	ND	0.30	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	68%		45-130%
321-60-8	2-Fluorobiphenyl	66%		45-130%
1718-51-0	Terphenyl-d14	84%		47-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-05		
Lab Sample ID:	D11321-4F	**Date Sampled:**	02/24/10
Matrix:	AQ - Water Filtered	**Date Received:**	02/26/10
		Percent Solids:	n/a
Project:	CCOD High Street		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 25	25	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Barium	55.5	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Cadmium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Chromium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Lead	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Mercury	< 0.10	0.10	ug/l	1	03/05/10	03/05/10	CM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Silver	< 30	30	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]

(1) Instrument QC Batch: MA462
(2) Instrument QC Batch: MA467
(3) Prep QC Batch: MP1399
(4) Prep QC Batch: MP1407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-06		
Lab Sample ID:	D11321-5	**Date Sampled:**	02/24/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8260B	**Percent Solids:**	93.1
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03540.D	1	03/04/10	DC	n/a	n/a	V3V160
Run #2							

	Initial Weight
Run #1	1.00 g
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	110	54	ug/kg	
71-43-2	Benzene	ND	5.4	5.4	ug/kg	
75-27-4	Bromodichloromethane	ND	27	11	ug/kg	
75-25-2	Bromoform	ND	27	11	ug/kg	
108-90-7	Chlorobenzene	ND	27	11	ug/kg	
75-00-3	Chloroethane	ND	27	11	ug/kg	
67-66-3	Chloroform	ND	27	5.4	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	110	64	ug/kg	
75-15-0	Carbon disulfide	ND	27	11	ug/kg	
56-23-5	Carbon tetrachloride	ND	27	11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	27	11	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	27	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	27	5.4	ug/kg	
78-87-5	1,2-Dichloropropane	ND	27	11	ug/kg	
124-48-1	Dibromochloromethane	ND	27	11	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	27	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	27	11	ug/kg	
541-73-1	m-Dichlorobenzene	ND	27	11	ug/kg	
95-50-1	o-Dichlorobenzene	ND	27	11	ug/kg	
106-46-7	p-Dichlorobenzene	ND	27	11	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	27	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	27	11	ug/kg	
100-41-4	Ethylbenzene	ND	27	11	ug/kg	
591-78-6	2-Hexanone	ND	110	16	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	110	16	ug/kg	
74-83-9	Methyl bromide	ND	27	11	ug/kg	
74-87-3	Methyl chloride	ND	27	11	ug/kg	
75-09-2	Methylene chloride	ND	27	11	ug/kg	
78-93-3	Methyl ethyl ketone	ND	110	21	ug/kg	
100-42-5	Styrene	ND	27	11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	27	5.4	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	54	11	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-06		
Lab Sample ID:	D11321-5	Date Sampled:	02/24/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	93.1
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	27	11	ug/kg	
127-18-4	Tetrachloroethylene	ND	27	11	ug/kg	
108-88-3	Toluene	ND	11	11	ug/kg	
79-01-6	Trichloroethylene	ND	27	5.4	ug/kg	
75-01-4	Vinyl chloride	ND	27	11	ug/kg	
108-05-4	Vinyl Acetate	ND	110	43	ug/kg	
1330-20-7	Xylene (total)	ND	27	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	82%		70-130%
17060-07-0	1,2-Dichloroethane-D4	80%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-06		
Lab Sample ID:	D11321-5	Date Sampled:	02/24/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3540C	Percent Solids:	93.1
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G06097.D	1	03/11/10	TMB	03/03/10	OP1503	E1G187
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	7.1	6.7	ug/kg	
208-96-8	Acenaphthylene	ND	36	7.4	ug/kg	
120-12-7	Anthracene	7.5	7.1	4.6	ug/kg	
56-55-3	Benzo(a)anthracene	44.1	7.1	7.0	ug/kg	
50-32-8	Benzo(a)pyrene	42.3	7.1	4.5	ug/kg	
205-99-2	Benzo(b)fluoranthene	43.1	7.1	5.2	ug/kg	
191-24-2	Benzo(g,h,i)perylene	25.9	7.1	4.5	ug/kg	
207-08-9	Benzo(k)fluoranthene	39.2	7.1	4.5	ug/kg	
218-01-9	Chrysene	52.4	7.1	3.6	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	5.4	7.1	5.3	ug/kg	J
206-44-0	Fluoranthene	100	7.1	4.4	ug/kg	
86-73-7	Fluorene	ND	7.1	7.0	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	23.0	7.1	4.7	ug/kg	
90-12-0	1-Methylnaphthalene	ND	7.1	6.3	ug/kg	
91-57-6	2-Methylnaphthalene	ND	36	11	ug/kg	
91-20-3	Naphthalene	ND	36	7.9	ug/kg	
85-01-8	Phenanthrene	43.2	7.1	5.7	ug/kg	
129-00-0	Pyrene	111	7.1	4.8	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	85%		33-130%
321-60-8	2-Fluorobiphenyl	84%		37-130%
1718-51-0	Terphenyl-d14	92%		48-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-06		
Lab Sample ID:	D11321-5	**Date Sampled:**	02/24/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
		Percent Solids:	93.1
Project:	CCOD High Street		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.3	2.1	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Barium	73.9	0.83	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.83	0.83	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Chromium	4.2	0.83	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Lead	102	4.2	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.10	0.10	mg/kg	1	03/04/10	03/04/10	NC	SW846 7471A [1]	SW846 7471A [4]
Selenium	< 4.2	4.2	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Silver	< 2.5	2.5	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA457
(2) Instrument QC Batch: MA459
(3) Prep QC Batch: MP1395
(4) Prep QC Batch: MP1396

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-07		
Lab Sample ID:	D11321-6	**Date Sampled:**	02/24/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8260B	**Percent Solids:**	97.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03541.D	1	03/04/10	DC	n/a	n/a	V3V160
Run #2							

	Initial Weight
Run #1	1.00 g
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	51	ug/kg	
71-43-2	Benzene	ND	5.1	5.1	ug/kg	
75-27-4	Bromodichloromethane	ND	26	10	ug/kg	
75-25-2	Bromoform	ND	26	10	ug/kg	
108-90-7	Chlorobenzene	ND	26	10	ug/kg	
75-00-3	Chloroethane	ND	26	10	ug/kg	
67-66-3	Chloroform	ND	26	5.1	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	100	61	ug/kg	
75-15-0	Carbon disulfide	ND	26	10	ug/kg	
56-23-5	Carbon tetrachloride	ND	26	10	ug/kg	
75-34-3	1,1-Dichloroethane	ND	26	10	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	26	10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	26	5.1	ug/kg	
78-87-5	1,2-Dichloropropane	ND	26	10	ug/kg	
124-48-1	Dibromochloromethane	ND	26	10	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	26	10	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	26	10	ug/kg	
541-73-1	m-Dichlorobenzene	ND	26	10	ug/kg	
95-50-1	o-Dichlorobenzene	ND	26	10	ug/kg	
106-46-7	p-Dichlorobenzene	ND	26	10	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	26	10	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	26	10	ug/kg	
100-41-4	Ethylbenzene	ND	26	10	ug/kg	
591-78-6	2-Hexanone	ND	100	15	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	100	15	ug/kg	
74-83-9	Methyl bromide	ND	26	10	ug/kg	
74-87-3	Methyl chloride	ND	26	10	ug/kg	
75-09-2	Methylene chloride	ND	26	10	ug/kg	
78-93-3	Methyl ethyl ketone	ND	100	20	ug/kg	
100-42-5	Styrene	ND	26	10	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	26	5.1	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	51	10	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-07		
Lab Sample ID:	D11321-6	Date Sampled:	02/24/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	97.6
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	26	10	ug/kg	
127-18-4	Tetrachloroethylene	ND	26	10	ug/kg	
108-88-3	Toluene	ND	10	10	ug/kg	
79-01-6	Trichloroethylene	ND	26	5.1	ug/kg	
75-01-4	Vinyl chloride	ND	26	10	ug/kg	
108-05-4	Vinyl Acetate	ND	100	41	ug/kg	
1330-20-7	Xylene (total)	ND	26	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	84%		70-130%
17060-07-0	1,2-Dichloroethane-D4	78%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-07		
Lab Sample ID:	D11321-6	Date Sampled:	02/24/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3540C	Percent Solids:	97.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G06098.D	1	03/11/10	TMB	03/03/10	OP1503	E1G187
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	6.8	6.4	ug/kg	
208-96-8	Acenaphthylene	ND	34	7.0	ug/kg	
120-12-7	Anthracene	ND	6.8	4.4	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.8	6.7	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.8	4.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.8	4.9	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.8	4.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.8	4.3	ug/kg	
218-01-9	Chrysene	ND	6.8	3.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.8	5.0	ug/kg	
206-44-0	Fluoranthene	ND	6.8	4.2	ug/kg	
86-73-7	Fluorene	ND	6.8	6.7	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.8	4.5	ug/kg	
90-12-0	1-Methylnaphthalene	ND	6.8	6.0	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	10	ug/kg	
91-20-3	Naphthalene	ND	34	7.5	ug/kg	
85-01-8	Phenanthrene	ND	6.8	5.4	ug/kg	
129-00-0	Pyrene	ND	6.8	4.6	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	80%		33-130%
321-60-8	2-Fluorobiphenyl	84%		37-130%
1718-51-0	Terphenyl-d14	105%		48-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-07		
Lab Sample ID:	D11321-6	**Date Sampled:**	02/24/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
		Percent Solids:	97.6
Project:	CCOD High Street		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 1.9	1.9	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Barium	29.8	0.78	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.78	0.78	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.0	0.78	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Lead	< 3.9	3.9	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.095	0.095	mg/kg	1	03/04/10	03/04/10	NC	SW846 7471A [1]	SW846 7471A [4]
Selenium	< 3.9	3.9	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Silver	< 2.3	2.3	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA457
(2) Instrument QC Batch: MA459
(3) Prep QC Batch: MP1395
(4) Prep QC Batch: MP1396

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-07		
Lab Sample ID:	D11321-7	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03583.D	1	03/07/10	DC	n/a	n/a	V3V163
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	4.1	10	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	0.73	2.0	0.50	ug/l	J
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-07		
Lab Sample ID:	D11321-7	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	78%		70-130%
2037-26-5	Toluene-D8	89%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-07		
Lab Sample ID:	D11321-7	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3520C	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G05956.D	1	03/04/10	TMB	03/01/10	OP1483	E1G182
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.30	0.29	ug/l	
208-96-8	Acenaphthylene	ND	0.30	0.27	ug/l	
120-12-7	Anthracene	ND	0.30	0.27	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.30	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.30	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.30	0.27	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.30	0.26	ug/l	
218-01-9	Chrysene	ND	0.30	0.27	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.30	0.27	ug/l	
206-44-0	Fluoranthene	ND	0.30	0.27	ug/l	
86-73-7	Fluorene	ND	0.30	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.30	0.27	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-20-3	Naphthalene	ND	0.30	0.26	ug/l	
85-01-8	Phenanthrene	ND	0.30	0.27	ug/l	
129-00-0	Pyrene	ND	0.30	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	94%		45-130%
321-60-8	2-Fluorobiphenyl	91%		45-130%
1718-51-0	Terphenyl-d14	108%		47-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-07		
Lab Sample ID:	D11321-7F	**Date Sampled:**	02/25/10
Matrix:	AQ - Water Filtered	**Date Received:**	02/26/10
		Percent Solids:	n/a
Project:	CCOD High Street		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 25	25	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Barium	61.5	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Cadmium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Chromium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Lead	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Mercury	< 0.10	0.10	ug/l	1	03/05/10	03/05/10	CM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Silver	< 30	30	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]

(1) Instrument QC Batch: MA462
(2) Instrument QC Batch: MA467
(3) Prep QC Batch: MP1399
(4) Prep QC Batch: MP1407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-04		
Lab Sample ID:	D11321-8	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	89.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03542.D	1	03/04/10	DC	n/a	n/a	V3V160
Run #2							

	Initial Weight
Run #1	1.00 g
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	110	56	ug/kg	
71-43-2	Benzene	ND	5.6	5.6	ug/kg	
75-27-4	Bromodichloromethane	ND	28	11	ug/kg	
75-25-2	Bromoform	ND	28	11	ug/kg	
108-90-7	Chlorobenzene	ND	28	11	ug/kg	
75-00-3	Chloroethane	ND	28	11	ug/kg	
67-66-3	Chloroform	ND	28	5.6	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	110	67	ug/kg	
75-15-0	Carbon disulfide	ND	28	11	ug/kg	
56-23-5	Carbon tetrachloride	ND	28	11	ug/kg	
75-34-3	1,1-Dichloroethane	ND	28	11	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	28	11	ug/kg	
107-06-2	1,2-Dichloroethane	ND	28	5.6	ug/kg	
78-87-5	1,2-Dichloropropane	ND	28	11	ug/kg	
124-48-1	Dibromochloromethane	ND	28	11	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	28	11	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	28	11	ug/kg	
541-73-1	m-Dichlorobenzene	ND	28	11	ug/kg	
95-50-1	o-Dichlorobenzene	ND	28	11	ug/kg	
106-46-7	p-Dichlorobenzene	ND	28	11	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	28	11	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	28	11	ug/kg	
100-41-4	Ethylbenzene	ND	28	11	ug/kg	
591-78-6	2-Hexanone	ND	110	17	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	110	17	ug/kg	
74-83-9	Methyl bromide	ND	28	11	ug/kg	
74-87-3	Methyl chloride	ND	28	11	ug/kg	
75-09-2	Methylene chloride	ND	28	11	ug/kg	
78-93-3	Methyl ethyl ketone	ND	110	22	ug/kg	
100-42-5	Styrene	ND	28	11	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	28	5.6	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	56	11	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-04		
Lab Sample ID:	D11321-8	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	89.6
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	28	11	ug/kg	
127-18-4	Tetrachloroethylene	ND	28	11	ug/kg	
108-88-3	Toluene	ND	11	11	ug/kg	
79-01-6	Trichloroethylene	ND	28	5.6	ug/kg	
75-01-4	Vinyl chloride	ND	28	11	ug/kg	
108-05-4	Vinyl Acetate	ND	110	45	ug/kg	
1330-20-7	Xylene (total)	ND	28	11	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%
17060-07-0	1,2-Dichloroethane-D4	77%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-04		
Lab Sample ID:	D11321-8	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3540C	Percent Solids:	89.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G06101.D	1	03/11/10	TMB	03/03/10	OP1503	E1G187
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	7.4	6.9	ug/kg	
208-96-8	Acenaphthylene	ND	37	7.7	ug/kg	
120-12-7	Anthracene	ND	7.4	4.8	ug/kg	
56-55-3	Benzo(a)anthracene	ND	7.4	7.3	ug/kg	
50-32-8	Benzo(a)pyrene	ND	7.4	4.7	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	7.4	5.4	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	7.4	4.6	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	7.4	4.7	ug/kg	
218-01-9	Chrysene	ND	7.4	3.7	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	7.4	5.5	ug/kg	
206-44-0	Fluoranthene	ND	7.4	4.6	ug/kg	
86-73-7	Fluorene	ND	7.4	7.3	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	7.4	4.9	ug/kg	
90-12-0	1-Methylnaphthalene	ND	7.4	6.6	ug/kg	
91-57-6	2-Methylnaphthalene	ND	37	11	ug/kg	
91-20-3	Naphthalene	ND	37	8.2	ug/kg	
85-01-8	Phenanthrene	ND	7.4	5.9	ug/kg	
129-00-0	Pyrene	ND	7.4	5.0	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		33-130%
321-60-8	2-Fluorobiphenyl	68%		37-130%
1718-51-0	Terphenyl-d14	85%		48-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-04		
Lab Sample ID:	D11321-8	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
		Percent Solids:	89.6
Project:	CCOD High Street		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.5	2.1	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Barium	33.6	0.85	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Cadmium	5.6	0.85	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Chromium	1.1	0.85	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Lead	< 4.3	4.3	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.11	0.11	mg/kg	1	03/04/10	03/04/10	NC	SW846 7471A [1]	SW846 7471A [4]
Selenium	< 4.3	4.3	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Silver	< 2.6	2.6	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA457
(2) Instrument QC Batch: MA459
(3) Prep QC Batch: MP1395
(4) Prep QC Batch: MP1396

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-04		
Lab Sample ID:	D11321-9	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03584.D	1	03/07/10	DC	n/a	n/a	V3V163
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	6.0	2.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-04		
Lab Sample ID:	D11321-9	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	76%		70-130%
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-04		
Lab Sample ID:	D11321-9	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3520C	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G05957.D	1	03/04/10	TMB	03/01/10	OP1483	E1G182
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.30	0.29	ug/l	
208-96-8	Acenaphthylene	ND	0.30	0.27	ug/l	
120-12-7	Anthracene	ND	0.30	0.27	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.30	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.30	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.30	0.27	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.30	0.26	ug/l	
218-01-9	Chrysene	ND	0.30	0.27	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.30	0.27	ug/l	
206-44-0	Fluoranthene	ND	0.30	0.27	ug/l	
86-73-7	Fluorene	ND	0.30	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.30	0.27	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-20-3	Naphthalene	ND	0.30	0.26	ug/l	
85-01-8	Phenanthrene	ND	0.30	0.27	ug/l	
129-00-0	Pyrene	ND	0.30	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		45-130%
321-60-8	2-Fluorobiphenyl	81%		45-130%
1718-51-0	Terphenyl-d14	95%		47-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-04		
Lab Sample ID:	D11321-9F	**Date Sampled:**	02/25/10
Matrix:	AQ - Water Filtered	**Date Received:**	02/26/10
		Percent Solids:	n/a
Project:	CCOD High Street		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 25	25	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Barium	53.1	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Cadmium	109	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Chromium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Lead	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Mercury	< 0.10	0.10	ug/l	1	03/05/10	03/05/10	CM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Silver	< 30	30	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]

(1) Instrument QC Batch: MA462
(2) Instrument QC Batch: MA467
(3) Prep QC Batch: MP1399
(4) Prep QC Batch: MP1407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-10	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8260B	**Percent Solids:**	96.7
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5V06240.D	1	03/06/10	DC	n/a	n/a	V5V325
Run #2							

	Initial Weight
Run #1	1.00 g
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	100	52	ug/kg	
71-43-2	Benzene	ND	5.2	5.2	ug/kg	
75-27-4	Bromodichloromethane	ND	26	10	ug/kg	
75-25-2	Bromoform	ND	26	10	ug/kg	
108-90-7	Chlorobenzene	ND	26	10	ug/kg	
75-00-3	Chloroethane	ND	26	10	ug/kg	
67-66-3	Chloroform	ND	26	5.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	100	62	ug/kg	
75-15-0	Carbon disulfide	ND	26	10	ug/kg	
56-23-5	Carbon tetrachloride	ND	26	10	ug/kg	
75-34-3	1,1-Dichloroethane	ND	26	10	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	26	10	ug/kg	
107-06-2	1,2-Dichloroethane	ND	26	5.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	26	10	ug/kg	
124-48-1	Dibromochloromethane	ND	26	10	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	26	10	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	26	10	ug/kg	
541-73-1	m-Dichlorobenzene	ND	26	10	ug/kg	
95-50-1	o-Dichlorobenzene	ND	26	10	ug/kg	
106-46-7	p-Dichlorobenzene	ND	26	10	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	26	10	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	26	10	ug/kg	
100-41-4	Ethylbenzene	ND	26	10	ug/kg	
591-78-6	2-Hexanone	ND	100	16	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	100	16	ug/kg	
74-83-9	Methyl bromide	ND	26	10	ug/kg	
74-87-3	Methyl chloride	ND	26	10	ug/kg	
75-09-2	Methylene chloride	ND	26	10	ug/kg	
78-93-3	Methyl ethyl ketone	ND	100	21	ug/kg	
100-42-5	Styrene	ND	26	10	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	26	5.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	52	10	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-10	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	96.7
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	26	10	ug/kg	
127-18-4	Tetrachloroethylene	ND	26	10	ug/kg	
108-88-3	Toluene	ND	10	10	ug/kg	
79-01-6	Trichloroethylene	ND	26	5.2	ug/kg	
75-01-4	Vinyl chloride	ND	26	10	ug/kg	
108-05-4	Vinyl Acetate	ND	100	41	ug/kg	
1330-20-7	Xylene (total)	ND	26	10	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	100%		70-130%
460-00-4	4-Bromofluorobenzene	92%		70-130%
17060-07-0	1,2-Dichloroethane-D4	96%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-10	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3540C	Percent Solids:	96.7
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G06102.D	1	03/11/10	TMB	03/03/10	OP1503	E1G187
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	6.9	6.4	ug/kg	
208-96-8	Acenaphthylene	ND	34	7.1	ug/kg	
120-12-7	Anthracene	ND	6.9	4.4	ug/kg	
56-55-3	Benzo(a)anthracene	ND	6.9	6.8	ug/kg	
50-32-8	Benzo(a)pyrene	ND	6.9	4.3	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	6.9	5.0	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	6.9	4.3	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	6.9	4.3	ug/kg	
218-01-9	Chrysene	ND	6.9	3.4	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	6.9	5.1	ug/kg	
206-44-0	Fluoranthene	ND	6.9	4.2	ug/kg	
86-73-7	Fluorene	ND	6.9	6.8	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	6.9	4.5	ug/kg	
90-12-0	1-Methylnaphthalene	ND	6.9	6.1	ug/kg	
91-57-6	2-Methylnaphthalene	ND	34	11	ug/kg	
91-20-3	Naphthalene	ND	34	7.6	ug/kg	
85-01-8	Phenanthrene	ND	6.9	5.5	ug/kg	
129-00-0	Pyrene	ND	6.9	4.7	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	61%		33-130%
321-60-8	2-Fluorobiphenyl	66%		37-130%
1718-51-0	Terphenyl-d14	115%		48-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-10	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8015B	Percent Solids:	96.7
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA5459.D	1	03/05/10	SD	n/a	n/a	GGA302
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.0	1.0	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	53% [a]		60-140%

(a) Outside control limits due to matrix interference. Confirmed by analysis of MS/MSD.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-10	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8081A SW846 3540C	Percent Solids:	96.7
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EA4968.D	1	03/08/10	EH	03/05/10	OP1511	GEA167
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.69		ug/kg	
5103-71-9	alpha-Chlordane	ND	0.69		ug/kg	
5103-74-2	gamma-Chlordane	ND	0.69		ug/kg	
319-84-6	alpha-BHC	ND	0.69		ug/kg	
319-85-7	beta-BHC	ND	0.69		ug/kg	
319-86-8	delta-BHC	ND	0.69		ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.69		ug/kg	
12789-03-6	Chlordane	ND	17		ug/kg	
60-57-1	Dieldrin	ND	0.69		ug/kg	
72-54-8	4,4'-DDD	ND	0.69		ug/kg	
72-55-9	4,4'-DDE	ND	0.69		ug/kg	
50-29-3	4,4'-DDT	ND	0.69		ug/kg	
72-20-8	Endrin	ND	0.69		ug/kg	
1031-07-8	Endosulfan sulfate	ND	2.1	0.86	ug/kg	
7421-93-4	Endrin aldehyde	ND	0.69		ug/kg	
53494-70-5	Endrin ketone	ND	0.69		ug/kg	
959-98-8	Endosulfan-I	ND	0.69		ug/kg	
33213-65-9	Endosulfan-II	ND	0.69		ug/kg	
76-44-8	Heptachlor	ND	0.69		ug/kg	
1024-57-3	Heptachlor epoxide	ND	0.69		ug/kg	
72-43-5	Methoxychlor	ND	2.1	0.83	ug/kg	
8001-35-2	Toxaphene	ND	34		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	115%		70-137%
877-09-8	Tetrachloro-m-xylene	98%		70-137%
2051-24-3	Decachlorobiphenyl	104%		70-139%
2051-24-3	Decachlorobiphenyl	92%		70-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-10	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8082 SW846 3540C	Percent Solids:	96.7
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EA4968B.D	1	03/08/10	EH	03/05/10	OP1512	GEA167
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	17	13	ug/kg	
11104-28-2	Aroclor 1221	ND	17		ug/kg	
11141-16-5	Aroclor 1232	ND	17		ug/kg	
53469-21-9	Aroclor 1242	ND	17		ug/kg	
12672-29-6	Aroclor 1248	ND	17		ug/kg	
11097-69-1	Aroclor 1254	ND	17		ug/kg	
11096-82-5	Aroclor 1260	ND	17	6.9	ug/kg	
1336-36-3	Total PCBs	ND	17		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	115%		70-137%
877-09-8	Tetrachloro-m-xylene	98%		70-137%
2051-24-3	Decachlorobiphenyl	104%		70-139%
2051-24-3	Decachlorobiphenyl	92%		70-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-10	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846-8015B SW846 3550B	Percent Solids:	96.7
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FC1935.D	1	03/02/10	CP	03/02/10	OP1491	GFC113
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	269	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-06-6	t-Butylbenzene	48%		39-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-10	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
		Percent Solids:	96.7
Project:	CCOD High Street		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 2.1	2.1	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Barium	30.2	0.85	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.85	0.85	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Chromium	2.2	0.85	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Lead	< 4.3	4.3	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Mercury	< 0.098	0.098	mg/kg	1	03/04/10	03/04/10	NC	SW846 7471A [1]	SW846 7471A [4]
Selenium	< 4.3	4.3	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Silver	< 2.6	2.6	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA457
(2) Instrument QC Batch: MA459
(3) Prep QC Batch: MP1395
(4) Prep QC Batch: MP1396

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-11	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03585.D	1	03/07/10	DC	n/a	n/a	V3V163
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	3.1	2.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-11	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	2.8	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	77%		70-130%
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-11	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3520C	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G05958.D	1	03/04/10	TMB	03/01/10	OP1483	E1G182
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.30	0.29	ug/l	
208-96-8	Acenaphthylene	ND	0.30	0.27	ug/l	
120-12-7	Anthracene	ND	0.30	0.27	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.30	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.30	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.30	0.27	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.30	0.26	ug/l	
218-01-9	Chrysene	ND	0.30	0.27	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.30	0.27	ug/l	
206-44-0	Fluoranthene	ND	0.30	0.27	ug/l	
86-73-7	Fluorene	ND	0.30	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.30	0.27	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-20-3	Naphthalene	ND	0.30	0.26	ug/l	
85-01-8	Phenanthrene	ND	0.30	0.27	ug/l	
129-00-0	Pyrene	ND	0.30	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		45-130%
321-60-8	2-Fluorobiphenyl	78%		45-130%
1718-51-0	Terphenyl-d14	102%		47-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-03		
Lab Sample ID:	D11321-11F	**Date Sampled:**	02/25/10
Matrix:	AQ - Water Filtered	**Date Received:**	02/26/10
		Percent Solids:	n/a
Project:	CCOD High Street		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 25	25	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Barium	56.5	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Cadmium	18.2	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Chromium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Lead	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Mercury	< 0.10	0.10	ug/l	1	03/05/10	03/05/10	CM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Silver	< 30	30	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]

(1) Instrument QC Batch: MA462
(2) Instrument QC Batch: MA467
(3) Prep QC Batch: MP1399
(4) Prep QC Batch: MP1407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-12	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	80.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03543.D	1	03/04/10	DC	n/a	n/a	V3V160
Run #2							

	Initial Weight
Run #1	1.00 g
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	96.4	120	62	ug/kg	J
71-43-2	Benzene	ND	6.2	6.2	ug/kg	
75-27-4	Bromodichloromethane	ND	31	12	ug/kg	
75-25-2	Bromoform	ND	31	12	ug/kg	
108-90-7	Chlorobenzene	ND	31	12	ug/kg	
75-00-3	Chloroethane	ND	31	12	ug/kg	
67-66-3	Chloroform	ND	31	6.2	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	120	74	ug/kg	
75-15-0	Carbon disulfide	ND	31	12	ug/kg	
56-23-5	Carbon tetrachloride	ND	31	12	ug/kg	
75-34-3	1,1-Dichloroethane	ND	31	12	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	31	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	31	6.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	31	12	ug/kg	
124-48-1	Dibromochloromethane	ND	31	12	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	31	12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	31	12	ug/kg	
541-73-1	m-Dichlorobenzene	ND	31	12	ug/kg	
95-50-1	o-Dichlorobenzene	ND	31	12	ug/kg	
106-46-7	p-Dichlorobenzene	ND	31	12	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	31	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	31	12	ug/kg	
100-41-4	Ethylbenzene	ND	31	12	ug/kg	
591-78-6	2-Hexanone	ND	120	19	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	120	19	ug/kg	
74-83-9	Methyl bromide	ND	31	12	ug/kg	
74-87-3	Methyl chloride	ND	31	12	ug/kg	
75-09-2	Methylene chloride	ND	31	12	ug/kg	
78-93-3	Methyl ethyl ketone	ND	120	25	ug/kg	
100-42-5	Styrene	ND	31	12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	31	6.2	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	62	12	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-12	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	80.6
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	31	12	ug/kg	
127-18-4	Tetrachloroethylene	ND	31	12	ug/kg	
108-88-3	Toluene	ND	12	12	ug/kg	
79-01-6	Trichloroethylene	ND	31	6.2	ug/kg	
75-01-4	Vinyl chloride	ND	31	12	ug/kg	
108-05-4	Vinyl Acetate	ND	120	50	ug/kg	
1330-20-7	Xylene (total)	ND	31	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	90%		70-130%
460-00-4	4-Bromofluorobenzene	93%		70-130%
17060-07-0	1,2-Dichloroethane-D4	75%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-12	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3540C	Percent Solids:	80.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G06108.D	10	03/11/10	TMB	03/03/10	OP1503	E1G187
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	207	82	77	ug/kg	
208-96-8	Acenaphthylene	ND	410	85	ug/kg	
120-12-7	Anthracene	274	82	53	ug/kg	
56-55-3	Benzo(a)anthracene	698	82	81	ug/kg	
50-32-8	Benzo(a)pyrene	625	82	52	ug/kg	
205-99-2	Benzo(b)fluoranthene	599	82	60	ug/kg	
191-24-2	Benzo(g,h,i)perylene	395	82	51	ug/kg	
207-08-9	Benzo(k)fluoranthene	495	82	52	ug/kg	
218-01-9	Chrysene	763	82	41	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	155	82	61	ug/kg	
206-44-0	Fluoranthene	1490	82	51	ug/kg	
86-73-7	Fluorene	224	82	81	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	358	82	54	ug/kg	
90-12-0	1-Methylnaphthalene	130	82	73	ug/kg	
91-57-6	2-Methylnaphthalene	208	410	130	ug/kg	J
91-20-3	Naphthalene	517	410	91	ug/kg	
85-01-8	Phenanthrene	1410	82	65	ug/kg	
129-00-0	Pyrene	1700	82	56	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	76%		33-130%
321-60-8	2-Fluorobiphenyl	77%		37-130%
1718-51-0	Terphenyl-d14	93%		48-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-12	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8015B	**Percent Solids:**	80.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA5465.D	1	03/06/10	SD	n/a	n/a	GGA302
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.2	1.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	85%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-12	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8081A SW846 3540C	Percent Solids:	80.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EA4973.D	5	03/08/10	EH	03/05/10	OP1511	GEA167
Run #2	EA5028.D	10	03/11/10	EH	03/05/10	OP1511	GEA170
Run #3	EA5017.D	50	03/11/10	EH	03/05/10	OP1511	GEA170

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2	30.0 g	10.0 ml
Run #3	30.0 g	10.0 ml

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	4.1		ug/kg	
5103-71-9	alpha-Chlordane	ND	4.1		ug/kg	
5103-74-2	gamma-Chlordane	ND	4.1		ug/kg	
319-84-6	alpha-BHC	ND	4.1		ug/kg	
319-85-7	beta-BHC	ND	4.1		ug/kg	
319-86-8	delta-BHC	ND	4.1		ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	4.1		ug/kg	
12789-03-6	Chlordane	ND	100		ug/kg	
60-57-1	Dieldrin	ND	4.1		ug/kg	
72-54-8	4,4'-DDD	10.1	4.1		ug/kg	
72-55-9	4,4'-DDE	ND	4.1		ug/kg	
50-29-3	4,4'-DDT [a]	ND [b]	8.3		ug/kg	
72-20-8	Endrin	ND	4.1		ug/kg	
1031-07-8	Endosulfan sulfate	ND	12	5.2	ug/kg	
7421-93-4	Endrin aldehyde	ND	4.1		ug/kg	
53494-70-5	Endrin ketone	ND	4.1		ug/kg	
959-98-8	Endosulfan-I	ND	4.1		ug/kg	
33213-65-9	Endosulfan-II	ND	4.1		ug/kg	
76-44-8	Heptachlor	ND	4.1		ug/kg	
1024-57-3	Heptachlor epoxide [c]	ND [d]	41		ug/kg	
72-43-5	Methoxychlor [a]	ND [b]	25	9.9	ug/kg	
8001-35-2	Toxaphene	ND	210		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	106%	226% [e]	145% [e]	70-137%
877-09-8	Tetrachloro-m-xylene	95%	93%	103%	70-137%
2051-24-3	Decachlorobiphenyl	107%	145% [e]	232% [e]	70-139%
2051-24-3	Decachlorobiphenyl	112%	134%	153% [e]	70-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-12	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8081A SW846 3540C	**Percent Solids:**	80.6
Project:	CCOD High Street		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Sample required a 10x dilution because of matrix interference.
(b) Result is from Run# 2
(c) Sample required a 50x dilution because of matrix interference.
(d) Result is from Run# 3
(e) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-12	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8082 SW846 3540C	**Percent Solids:**	80.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EA4973B.D	5	03/08/10	EH	03/05/10	OP1512	GEA167
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	100	80	ug/kg	
11104-28-2	Aroclor 1221	ND	100		ug/kg	
11141-16-5	Aroclor 1232	ND	100		ug/kg	
53469-21-9	Aroclor 1242	ND	100		ug/kg	
12672-29-6	Aroclor 1248	ND	100		ug/kg	
11097-69-1	Aroclor 1254	ND	100		ug/kg	
11096-82-5	Aroclor 1260	ND	100	41	ug/kg	
1336-36-3	Total PCBs	ND	100		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	106%		70-137%
877-09-8	Tetrachloro-m-xylene	95%		70-137%
2051-24-3	Decachlorobiphenyl	107%		70-139%
2051-24-3	Decachlorobiphenyl	112%		70-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-12	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846-8015B SW846 3550B	Percent Solids:	80.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FC1938.D	1	03/02/10	CP	03/02/10	OP1491	GFC113
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	248	16	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-06-6	t-Butylbenzene	48%		39-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-12	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
		Percent Solids:	80.6
Project:	CCOD High Street		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.7	2.4	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Barium	99.2	0.95	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Cadmium	< 0.95	0.95	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Chromium	6.5	0.95	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Lead	97.2	4.8	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.50	0.12	mg/kg	1	03/04/10	03/04/10	NC	SW846 7471A [1]	SW846 7471A [4]
Selenium	< 4.8	4.8	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Silver	< 2.9	2.9	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA457
(2) Instrument QC Batch: MA459
(3) Prep QC Batch: MP1395
(4) Prep QC Batch: MP1396

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-13	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03586.D	1	03/07/10	DC	n/a	n/a	V3V163
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	1.1	2.0	0.50	ug/l	J
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-13	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	1.0	2.0	0.50	ug/l	J
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	78%		70-130%
2037-26-5	Toluene-D8	86%		70-130%
460-00-4	4-Bromofluorobenzene	85%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-13	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3520C	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G05959.D	1	03/04/10	TMB	03/01/10	OP1483	E1G182
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.30	0.29	ug/l	
208-96-8	Acenaphthylene	ND	0.30	0.27	ug/l	
120-12-7	Anthracene	ND	0.30	0.27	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.30	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.30	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.30	0.27	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.30	0.26	ug/l	
218-01-9	Chrysene	ND	0.30	0.27	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.30	0.27	ug/l	
206-44-0	Fluoranthene	ND	0.30	0.27	ug/l	
86-73-7	Fluorene	ND	0.30	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.30	0.27	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-20-3	Naphthalene	ND	0.30	0.26	ug/l	
85-01-8	Phenanthrene	ND	0.30	0.27	ug/l	
129-00-0	Pyrene	ND	0.30	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	70%		45-130%
321-60-8	2-Fluorobiphenyl	62%		45-130%
1718-51-0	Terphenyl-d14	83%		47-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-02		
Lab Sample ID:	D11321-13F	Date Sampled:	02/25/10
Matrix:	AQ - Water Filtered	Date Received:	02/26/10
		Percent Solids:	n/a
Project:	CCOD High Street		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 25	25	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Barium	93.7	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Cadmium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Chromium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Lead	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Mercury	< 0.10	0.10	ug/l	1	03/05/10	03/05/10	CM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Silver	< 30	30	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]

(1) Instrument QC Batch: MA462
(2) Instrument QC Batch: MA467
(3) Prep QC Batch: MP1399
(4) Prep QC Batch: MP1407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-14	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	86.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03544.D	1	03/04/10	DC	n/a	n/a	V3V160
Run #2							

	Initial Weight
Run #1	1.00 g
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	102	120	58	ug/kg	J
71-43-2	Benzene	ND	5.8	5.8	ug/kg	
75-27-4	Bromodichloromethane	ND	29	12	ug/kg	
75-25-2	Bromoform	ND	29	12	ug/kg	
108-90-7	Chlorobenzene	ND	29	12	ug/kg	
75-00-3	Chloroethane	ND	29	12	ug/kg	
67-66-3	Chloroform	ND	29	5.8	ug/kg	
110-75-8	2-Chloroethyl vinyl ether	ND	120	69	ug/kg	
75-15-0	Carbon disulfide	ND	29	12	ug/kg	
56-23-5	Carbon tetrachloride	ND	29	12	ug/kg	
75-34-3	1,1-Dichloroethane	ND	29	12	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	29	12	ug/kg	
107-06-2	1,2-Dichloroethane	ND	29	5.8	ug/kg	
78-87-5	1,2-Dichloropropane	ND	29	12	ug/kg	
124-48-1	Dibromochloromethane	ND	29	12	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	29	12	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	29	12	ug/kg	
541-73-1	m-Dichlorobenzene	ND	29	12	ug/kg	
95-50-1	o-Dichlorobenzene	ND	29	12	ug/kg	
106-46-7	p-Dichlorobenzene	ND	29	12	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	29	12	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	29	12	ug/kg	
100-41-4	Ethylbenzene	ND	29	12	ug/kg	
591-78-6	2-Hexanone	ND	120	17	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	120	17	ug/kg	
74-83-9	Methyl bromide	ND	29	12	ug/kg	
74-87-3	Methyl chloride	ND	29	12	ug/kg	
75-09-2	Methylene chloride	ND	29	12	ug/kg	
78-93-3	Methyl ethyl ketone	27.1	120	23	ug/kg	J
100-42-5	Styrene	ND	29	12	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	29	5.8	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	58	12	ug/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-14	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	86.6
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	29	12	ug/kg	
127-18-4	Tetrachloroethylene	ND	29	12	ug/kg	
108-88-3	Toluene	ND	12	12	ug/kg	
79-01-6	Trichloroethylene	ND	29	5.8	ug/kg	
75-01-4	Vinyl chloride	ND	29	12	ug/kg	
108-05-4	Vinyl Acetate	ND	120	46	ug/kg	
1330-20-7	Xylene (total)	ND	29	12	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
2037-26-5	Toluene-D8	89%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%
17060-07-0	1,2-Dichloroethane-D4	75%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-14	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3540C	Percent Solids:	86.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G06110.D	20	03/11/10	TMB	03/03/10	OP1503	E1G187
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	388	150	140	ug/kg	
208-96-8	Acenaphthylene	ND	770	160	ug/kg	
120-12-7	Anthracene	455	150	99	ug/kg	
56-55-3	Benzo(a)anthracene	1450	150	150	ug/kg	
50-32-8	Benzo(a)pyrene	1650	150	97	ug/kg	
205-99-2	Benzo(b)fluoranthene	1550	150	110	ug/kg	
191-24-2	Benzo(g,h,i)perylene	1030	150	96	ug/kg	
207-08-9	Benzo(k)fluoranthene	1430	150	97	ug/kg	
218-01-9	Chrysene	1500	150	77	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	267	150	110	ug/kg	
206-44-0	Fluoranthene	2560	150	94	ug/kg	
86-73-7	Fluorene	391	150	150	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	936	150	100	ug/kg	
90-12-0	1-Methylnaphthalene	242	150	140	ug/kg	
91-57-6	2-Methylnaphthalene	317	770	230	ug/kg	J
91-20-3	Naphthalene	869	770	170	ug/kg	
85-01-8	Phenanthrene	1940	150	120	ug/kg	
129-00-0	Pyrene	3510	150	100	ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		33-130%
321-60-8	2-Fluorobiphenyl	74%		37-130%
1718-51-0	Terphenyl-d14	108%		48-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-14	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8015B	**Percent Solids:**	86.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	GA5466.D	1	03/06/10	SD	n/a	n/a	GGA302
Run #2							

	Initial Weight
Run #1	1.0 g
Run #2	

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	1.2	1.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
120-82-1	1,2,4-Trichlorobenzene	89%		60-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-14	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8081A SW846 3540C	Percent Solids:	86.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EA4974.D	5	03/08/10	EH	03/05/10	OP1511	GEA167
Run #2	EA5029.D	10	03/11/10	EH	03/05/10	OP1511	GEA170
Run #3	EA5018.D	50	03/11/10	EH	03/05/10	OP1511	GEA170

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2	30.0 g	10.0 ml
Run #3	30.0 g	10.0 ml

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	3.8		ug/kg	
5103-71-9	alpha-Chlordane	ND	3.8		ug/kg	
5103-74-2	gamma-Chlordane	7.8	3.8		ug/kg	
319-84-6	alpha-BHC	ND	3.8		ug/kg	
319-85-7	beta-BHC	ND	3.8		ug/kg	
319-86-8	delta-BHC	ND	3.8		ug/kg	
58-89-9	gamma-BHC (Lindane)	ND	3.8		ug/kg	
12789-03-6	Chlordane	ND	96		ug/kg	
60-57-1	Dieldrin	ND	3.8		ug/kg	
72-54-8	4,4'-DDD	30.8	3.8		ug/kg	
72-55-9	4,4'-DDE	9.0	3.8		ug/kg	
50-29-3	4,4'-DDT [a]	ND [b]	7.7		ug/kg	
72-20-8	Endrin	ND	3.8		ug/kg	
1031-07-8	Endosulfan sulfate	ND	12	4.8	ug/kg	
7421-93-4	Endrin aldehyde	ND	3.8		ug/kg	
53494-70-5	Endrin ketone	ND	3.8		ug/kg	
959-98-8	Endosulfan-I	ND	3.8		ug/kg	
33213-65-9	Endosulfan-II	ND	3.8		ug/kg	
76-44-8	Heptachlor	ND	3.8		ug/kg	
1024-57-3	Heptachlor epoxide [c]	ND [d]	38		ug/kg	
72-43-5	Methoxychlor [a]	ND [b]	23	9.2	ug/kg	
8001-35-2	Toxaphene	ND	190		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
877-09-8	Tetrachloro-m-xylene	91%	97%	103%	70-137%
877-09-8	Tetrachloro-m-xylene	83%	77%	79%	70-137%
2051-24-3	Decachlorobiphenyl	105%	116%	171% [e]	70-139%
2051-24-3	Decachlorobiphenyl	99%	92%	97%	70-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-14	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
Method:	SW846 8081A SW846 3540C	**Percent Solids:**	86.6
Project:	CCOD High Street		

Pesticide PPL List

CAS No.	Compound	Result	RL	MDL	Units	Q

(a) Sample required a 10x dilution because of matrix interference.
(b) Result is from Run# 2
(c) Sample required a 50x dilution because of matrix interference.
(d) Result is from Run# 3
(e) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-14	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846 8082 SW846 3540C	Percent Solids:	86.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EA4974B.D	5	03/08/10	EH	03/05/10	OP1512	GEA167
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	96	75	ug/kg	
11104-28-2	Aroclor 1221	ND	96		ug/kg	
11141-16-5	Aroclor 1232	ND	96		ug/kg	
53469-21-9	Aroclor 1242	ND	96		ug/kg	
12672-29-6	Aroclor 1248	ND	96		ug/kg	
11097-69-1	Aroclor 1254	ND	96		ug/kg	
11096-82-5	Aroclor 1260	ND	96	38	ug/kg	
1336-36-3	Total PCBs	ND	96		ug/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	91%		70-137%
877-09-8	Tetrachloro-m-xylene	83%		70-137%
2051-24-3	Decachlorobiphenyl	105%		70-139%
2051-24-3	Decachlorobiphenyl	99%		70-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-14	Date Sampled:	02/25/10
Matrix:	SO - Soil	Date Received:	02/26/10
Method:	SW846-8015B SW846 3550B	Percent Solids:	86.6
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	FC1940.D	1	03/02/10	CP	03/02/10	OP1491	GFC113
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	2.0 ml
Run #2		

CAS No.	Compound	Result	RL	Units	Q
	TPH-DRO (C10-C28)	219	15	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
98-06-6	t-Butylbenzene	54%		39-130%

ND = Not detected
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-14	**Date Sampled:**	02/25/10
Matrix:	SO - Soil	**Date Received:**	02/26/10
		Percent Solids:	86.6
Project:	CCOD High Street		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	7.4	2.1	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Barium	114	0.83	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Cadmium	1.2	0.83	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Chromium	5.8	0.83	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Lead	176	4.2	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Mercury	0.21	0.12	mg/kg	1	03/04/10	03/04/10	NC	SW846 7471A [1]	SW846 7471A [4]
Selenium	< 4.2	4.2	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]
Silver	< 2.5	2.5	mg/kg	1	03/05/10	03/05/10	JM	SW846 6010B [2]	SW846 3050B [3]

(1) Instrument QC Batch: MA457
(2) Instrument QC Batch: MA459
(3) Prep QC Batch: MP1395
(4) Prep QC Batch: MP1396

RL = Reporting Limit

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-15	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03587.D	1	03/07/10	DC	n/a	n/a	V3V163
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-15	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	78%		70-130%
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	87%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-15	Date Sampled:	02/25/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3520C	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G05960.D	1	03/04/10	TMB	03/01/10	OP1483	E1G182
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	0.36	0.30	0.29	ug/l	
208-96-8	Acenaphthylene	ND	0.30	0.27	ug/l	
120-12-7	Anthracene	ND	0.30	0.27	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.30	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.30	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.30	0.27	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.30	0.26	ug/l	
218-01-9	Chrysene	ND	0.30	0.27	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.30	0.27	ug/l	
206-44-0	Fluoranthene	ND	0.30	0.27	ug/l	
86-73-7	Fluorene	ND	0.30	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.30	0.27	ug/l	
90-12-0	1-Methylnaphthalene	0.57	0.30	0.10	ug/l	
91-57-6	2-Methylnaphthalene	0.40	0.30	0.10	ug/l	
91-20-3	Naphthalene	3.8	0.30	0.26	ug/l	
85-01-8	Phenanthrene	ND	0.30	0.27	ug/l	
129-00-0	Pyrene	ND	0.30	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	71%		45-130%
321-60-8	2-Fluorobiphenyl	65%		45-130%
1718-51-0	Terphenyl-d14	81%		47-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HS-08		
Lab Sample ID:	D11321-15F	**Date Sampled:**	02/25/10
Matrix:	AQ - Water Filtered	**Date Received:**	02/26/10
		Percent Solids:	n/a
Project:	CCOD High Street		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 25	25	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Barium	309	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Cadmium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Chromium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Lead	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Mercury	< 0.10	0.10	ug/l	1	03/05/10	03/05/10	CM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Silver	< 30	30	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]

(1) Instrument QC Batch: MA462
(2) Instrument QC Batch: MA467
(3) Prep QC Batch: MP1399
(4) Prep QC Batch: MP1407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	D11321-16	Date Sampled:	02/26/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03588.D	1	03/07/10	DC	n/a	n/a	V3V163
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	5.1	10	4.0	ug/l	J
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	ND	2.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	12.2	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	D11321-16	Date Sampled:	02/26/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	12.7	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	4.6	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	75%		70-130%
2037-26-5	Toluene-D8	88%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	D11321-16	Date Sampled:	02/26/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3520C	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G05961.D	1	03/04/10	TMB	03/01/10	OP1483	E1G182
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.30	0.29	ug/l	
208-96-8	Acenaphthylene	ND	0.30	0.27	ug/l	
120-12-7	Anthracene	ND	0.30	0.27	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.30	0.26	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.30	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.30	0.27	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.30	0.26	ug/l	
218-01-9	Chrysene	ND	0.30	0.27	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.30	0.27	ug/l	
206-44-0	Fluoranthene	ND	0.30	0.27	ug/l	
86-73-7	Fluorene	ND	0.30	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.30	0.27	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-20-3	Naphthalene	ND	0.30	0.26	ug/l	
85-01-8	Phenanthrene	ND	0.30	0.27	ug/l	
129-00-0	Pyrene	ND	0.30	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	62%		45-130%
321-60-8	2-Fluorobiphenyl	59%		45-130%
1718-51-0	Terphenyl-d14	77%		47-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-1		
Lab Sample ID:	D11321-16F	**Date Sampled:**	02/26/10
Matrix:	AQ - Water Filtered	**Date Received:**	02/26/10
		Percent Solids:	n/a
Project:	CCOD High Street		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 25	25	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Barium	120	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Cadmium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Chromium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Lead	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Mercury	< 0.10	0.10	ug/l	1	03/05/10	03/05/10	CM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Silver	< 30	30	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]

(1) Instrument QC Batch: MA462
(2) Instrument QC Batch: MA467
(3) Prep QC Batch: MP1399
(4) Prep QC Batch: MP1407

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	D11321-17	Date Sampled:	02/26/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V03589.D	1	03/07/10	DC	n/a	n/a	V3V163
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	4.0	ug/l	
71-43-2	Benzene	ND	1.0	0.40	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	4.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	4.0	1.5	ug/l	
67-66-3	Chloroform	2.1	2.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	4.0	1.0	ug/l	
75-15-0	Carbon disulfide	ND	2.0	1.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	2.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
591-78-6	2-Hexanone	ND	2.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	2.0	2.0	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.5	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	4.3	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	2.5	ug/l	
100-42-5	Styrene	ND	4.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	D11321-17	Date Sampled:	02/26/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8260B	Percent Solids:	n/a
Project:	CCOD High Street		

VOA HSL List

CAS No.	Compound	Result	RL	MDL	Units	Q
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	0.50	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.50	ug/l	
108-05-4	Vinyl Acetate	ND	4.0	0.60	ug/l	
1330-20-7	Xylene (total)	ND	4.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
17060-07-0	1,2-Dichloroethane-D4	77%		70-130%
2037-26-5	Toluene-D8	89%		70-130%
460-00-4	4-Bromofluorobenzene	86%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	D11321-17	Date Sampled:	02/26/10
Matrix:	AQ - Water	Date Received:	02/26/10
Method:	SW846 8270C BY SIM SW846 3520C	Percent Solids:	n/a
Project:	CCOD High Street		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	1G05968.D	1	03/04/10	TMB	03/01/10	OP1483	E1G182
Run #2							

	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

BN PAH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.30	0.29	ug/l	
208-96-8	Acenaphthylene	ND	0.30	0.27	ug/l	
120-12-7	Anthracene	ND	0.30	0.27	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.34	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.30	0.27	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.33	0.33	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.30	0.27	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.30	0.26	ug/l	
218-01-9	Chrysene	ND	0.30	0.27	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.30	0.27	ug/l	
206-44-0	Fluoranthene	ND	0.30	0.27	ug/l	
86-73-7	Fluorene	ND	0.30	0.27	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.30	0.27	ug/l	
90-12-0	1-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.30	0.10	ug/l	
91-20-3	Naphthalene	ND	0.30	0.26	ug/l	
85-01-8	Phenanthrene	ND	0.30	0.27	ug/l	
129-00-0	Pyrene	ND	0.30	0.28	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		45-130%
321-60-8	2-Fluorobiphenyl	62%		45-130%
1718-51-0	Terphenyl-d14	79%		47-136%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	D11321-17F	**Date Sampled:**	02/26/10
Matrix:	AQ - Water Filtered	**Date Received:**	02/26/10
		Percent Solids:	n/a
Project:	CCOD High Street		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 25	25	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Barium	51.6	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Cadmium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Chromium	< 10	10	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Lead	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Mercury	< 0.10	0.10	ug/l	1	03/05/10	03/05/10	CM	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 50	50	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]
Silver	< 30	30	ug/l	1	03/04/10	03/08/10	JM	SW846 6010B [2]	SW846 3005A [3]

(1) Instrument QC Batch: MA462
(2) Instrument QC Batch: MA467
(3) Prep QC Batch: MP1399
(4) Prep QC Batch: MP1407

RL = Reporting Limit

CHAIN OF CUSTODY RECORD / ANALYTICAL SERVICES AGREEMENT **

Page 1 of 2

CLIENT INFORMATION

Evergreen Analytical, An Accutest Company

4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
info@evergreenanalytical.com

Mail **Original** Report to: Brown + Caldwell
Attn Todd Pomerantz
Address 1697 Cole Blvd Suite 200
City Golden State CO Zip 80401
Tel # 303-239-5489 Fax # E-mail TPomerantz@brwncald.com
REPORT ALSO BY ☐ FAX ☑ PDF ☐ EDD
REPORT CHROMATOGRAMS ☐ NO
Mail Invoice to City + County of Denver
Attn
Address
City State Zip
Tel # Fax #
Project ID# CCoD High Street
P.O. Quote
Sampler Kris Stanley

NOTE: *Identify Known Hazards Below*

CONFIRMATION OF SAMPLE RECEIPT REQUIRED? ☐ YES

Report Results by: (Date)*
Standard 2 working weeks ☐
UST Analyses per Fee Schedule ☐
* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%
*Subject to surcharge & exceptions noted in fee schedule.

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	No. of Containers	MATRIX: 1)Drinking Water or 2)Discharge Water or 3)Ground Water (circle one)	MATRIX: Soil / Solid / Air / Gas	MATRIX: Oil / Sludge / Wipe	ANALYSES (check analysis): TCLP VOA/BNA/Pest/Herb/Metals (circle)	Volatile Organics 8260/624 (circle)	Semi-volatile Organics BNA, PAH, PNA 8270/625 (circle)	Chlorinated Pesticides 8081/Herbicides 8151 (circle)	Organophosphorous Pesticides 8270	PCBs/8082/608/screen (circle)	Metals 6010/7000 (circle)	BTEX 8021/602/8260/MTBE (circle)	TVPH 8015mod. / 8260 (circle)	TEPH 8015mod. (Diesel)	Total Metals-DW / NPDES SW846 (circle & list metals below)	Dissolved Metals - DW / SW846 (circle & list metals below)	Oil & Grease 1664 / 9071 (circle)	TPH 418.1	Anions 300.0 (circle below)	Hold TCLP samples pending analytical results of the test If some results exceed certain criteria then we may run.	For Laboratory Use Only
HS-01	2/24/10	0900	6		X		2	✓	✓								✓			✓			01
HS-01	2/24/10	1300	5	X				✓	✓				✓										02
HS-05	2/24/10	1100	6		X		2	✓	✓								✓			✓			03
HS-05	2/24/10	1100	5	X				✓	✓				✓										04
HS-06	2/24/10	1030	6		X		2	✓	✓								✓			✓			05
HS-07	2/24/10	1545	6		X		2	✓	✓								✓			✓			06
HS-07	2/25/10	0815	5	X				✓	✓				✓										07
HS-04	2/25/10	0930	6		X		2	✓	✓								✓			✓			08
HS-04	2/25/10	1000	5	X				✓	✓				✓										09
HS-03	2/25/10	1215	9		X		2	✓	✓	✓				✓	✓	✓	✓			✓			10
Sample Fraction																							

W.O. # D11321
B.O.F. # 34012
C/S (O) many / MS
C/S (I) many / MD
Temp. °C 1.5 / Ice ✓
Seals Present Y / (N) NA
Samples Pres (Y) / N / NA
Headspace Y / (N) / NA
By MO /

Instructions: RCRA

** **Important Note:** See reverse side for Terms and Conditions.

Anions: Bromide, Chloride, Nitrate, Nitrite, O-Phosphate, Sulfate (Circle)

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
K Stanley	2/26/10 1225		2/26/10 1225p				

CHAIN OF CUSTODY RECORD / ANALYTICAL SERVICES AGREEMENT **

Accutest Mountain States

CLIENT INFORMATION

Mail **Original** Report to: Brown + Caldwell
Attn Todd Pomerantz
Address 1697 Cole Blvd Suite 200
City Golden State CO Zip 80401
Tel # 303-239-5489 Fax # _____ E-mail TPomerantz@brwncald.com

REPORT ALSO BY ☐ FAX ☑ PDF ☐ EDD FAXED CONFIRMATION OF SAMPLE RECEIPT REQUIRED? ☐ YES

REPORT CHROMATOGRAMS ☐ YES

Mail Invoice to: City + County of Denver
Attn _____
Address _____
City _____ State _____ Zip _____
Tel # _____ Fax # _____
Project ID# CCoD High Street
P.O. _____ Quote _____
Sampler Kris Stanley

NOTE: *Identify Known Hazards Below*

ACCUTEST
4036 Youngfield St.
Wheat Ridge, Colorado 80033
(303) 425-6021
FAX (303) 425-6854
(877) 737-4521
e-mail info@accutest.com

Report Results by: _____ (Date)*
Standard 2 working weeks ☐
UST Analyses per Fee Schedule ☐
* Rush: ☐ less than 24 hrs, 150% ☐ 1 - 2 work days, 100%
☐ 3 - 5 work days, 50% ☐ 6 - 9 work days, 25%
*Subject to surcharge & exceptions noted in fee schedule.

SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	No. of Containers	MATRIX: 1)Drinking Water or 2)Discharge Water or 3) Ground Water (circle one)	Soil / Solid / Air / Gas	Oil / Sludge / Wipe	ANALYSES (check anaylsis): TCLP Metals + Hold #	Volatile Organics 8260	Pesticides 8081/8082	Dissolved Metals 6010/7470	TVPH 8015	TEPH 8015	Metals 6010/7471	Asbestos	SVOCs 8270	If TCLP samples pending analytical results of the test. If some results exceed certain criteria, then we may run	For Laboratory Use Only
HS-03	2/25/10	1250	5	X				✓		✓					✓		11
HS-02	2/25/10	1350	9		X		2	✓	✓		✓	✓	✓	✓	✓		12
HS-02	2/25/10	1420	5	X				✓		✓					✓		13
HS-08	2/25/10	1455	9		X		2	✓	✓		✓	✓	✓	✓	✓		14
HS-08	2/25/10	1515	5	X				✓		✓					✓		15
MW-1	2/26/10	0935	5	X				✓		✓					✓		16
MW-6	2/26/10	1110	5	X				✓		✓					✓		17

W.O. # D11321
B.O.F. # 34892
C/S (O) Mary IVPS
C/S (I) Mary / HD
Temp. °C 1.5 / Ice ✓
Seals Present Y / N / NA
Samples Pres. Y / N / NA
Headspace Y / N / NA
By MW /

Does this analysis involve property transfer? ☐ Yes or ☐ No

Sample Fraction

Instructions: RCRA

** **Important Note:** See reverse side hereof for terms and conditions.

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Date/Time
K Stanley	2/26/10 1220		2/26/10 1225p				

D11321 Hard

Accutest Mountain States Laboratory (AMS)
Subcontractor Order

Date/Time:	2/26/10 1:41 PM	**Sub Lab:**	DCM Science Laboratory
Accutest Job No.	D11321	**Address:**	12421 W 49th Ave., Unit 6
Client Project:			Wheat Ridge CO 80033
CSR:	Shea Greiner	**Contact:**	Cindy Mefford
		Phone:	(303) 463-8270

Sample #:	Analyses
D11321 - 1	Asbestos
3	Asbestos
5	Asbestos
6	Asbestos
8	Asbestos
10	Asbestos
12	Asbestos
14	Asbestos
Turn Around	10 Business Day Standard

Sample Managment receipt: _____ **Date:** _____

(Print form and sign/date. Submit this form to Login Dept. with the SUB COC.)

e/sop_new/subform

CHAIN OF CUSTODY

ACCUTEST

4036 Youngfield St., Wheat Ridge, CO 80033
303-425-6021 FAX: 303-425-6854

Accutest Job #:	D11321
Accutest Quote #:	
AMS P.O. #:	
Project No.:	

Client Information			Subcontract Laboratory Information			Analytical Information
Name: Accutest Mountain States (AMS)			Name: DCM Science Laboratory			
Address: 4036 Youngfield St.			Address: 12421 W 49th Ave., Unit 6			
City: Wheat Ridge,	State: CO	Zip: 80033	City: Wheat Ridge	State: CO	Zip: 80033	
Send Report to: Carl Smits			Contact: Cindy Mefford			
Any questions contact: Shea Greiner						
Phone/Fax #: (303) 425-6021; (303)425-6854			Phone: (303) 463-8270			

Field ID / Point of Collection	Collection Date	Collection Time		Matrix	# of bottles	Preservation HCL	NaOH	HNO3	H2SO4	None	Asbestos					Comments
D11321 -1	2/24/10	9:00 AM		Soil							X					
-3	2/24/10	11:00 AM		Soil							X					
-5	2/24/10	10:30 AM		Soil							X					
-6	2/24/10	3:45 PM		Soil							X					
-8	2/25/10	9:00 AM		Soil							X					
-10	2/25/10	12:15 PM		Soil							X					
-12	2/25/10	1:50 PM		Soil							X					
-14	2/25/10	2:55 PM		Soil							X					
-																
-																

Turnaround Information

- [X] 10 Business Day Standard — Approved By:
- [ ] Other _____ (Days)

10 Day Turnaround Hardcopy, RUSH is FAX Data unless previously approved.

Data Deliverable Information

- [ ] Commercial "A"
- [X] Commercial "B"
- [ ] Reduced Tier 1
- [ ] Full Tier 1
- [ ] Other (Specify)
- [ ] PDF
- [ ] Compact Disk Deliverable
- [ ] Electronic Delivery:
- [ ] State Forms

Comments / Remarks

Please use Colorado regulations and RLs.

A1002165 0459

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by:	Date & Time:	Received By:	Date & Time:
1	3-1-2010	Wendy McBride	3-1-10 1:15
2	1:15	2	2
3		3	3

For Subcontract Laborartory Use Only

Seal #: Headspace: Yes ☐ No ☐ NA ☐

Preserved where applicable: ☐

Temperature °C _____ On Ice ☐

12421 W. 49TH AVENUE, UNIT #6
WHEAT RIDGE, CO 80033 (303) 463-8270

BULK ASBESTOS TEST REPORT
PAGE 1 OF 2

CLIENT:
ACCUTEST MOUNTAIN STATES
4036 YOUNGFIELD STREET
WHEAT RIDGE, CO 80033-3862

ANALYSIS DATE: 3-3-10
REPORTING DATE: 3-4-10
RECEIPT DATE: 3-1-10
CLIENT JOB NO.: D11321
PROJECT TITLE: NONE GIVEN
DCMSL PROJECT: ALCO265

PERCENTAGE COMPOSITION BY VISUAL ESTIMATE

DCMSL SAMPLE NUMBER	CLIENT SAMPLE NUMBER	SAMPLE DATE	DESCRIPTION	PERCENT OF SAMPLE	ASBESTOS TYPE	RANGE	%	TOTAL ASBESTOS IN SAMPLE	OTHER FIBROUS CONSTITUENTS	NON-FIBROUS CONSTITUENTS	TOTAL PERCENTAGE IDENTIFIED MATERIALS
-1	D11321-1	2-24-10	A. TAN SOIL	100.0%			ND	ND	TR	100.0	100.0
-2	D11321-3	2-24-10	A. TAN SOIL	100.0%			ND	ND	TR	100.0	100.0
-3	D11321-5	2-24-10	A. BROWN SOIL	100.0%			ND	ND	TR	100.0	100.0
-4	D11321-6	2-24-10	A. GREY SOIL	100.0%			ND	ND	TR	100.0	100.0
-5	D11321-8	2-25-10	A. TAN SOIL	100.0%			ND	ND	TR	100.0	100.0
-6	D11321-10	2-25-10	A. TAN SOIL	100.0%			ND	ND	TR	100.0	100.0
-7	D11321-12	2-25-10	A. GREY SOIL	100.0%	CHRYSOTILE AMOSITE	[TR-1] [TR]	0.5	0.5	5.0	94.5	100.0
-8	D11321-14	2-25-10	A. GREY SOIL	100.0%			ND	ND	5.0	95.0	100.0

FOR CALCULATION PURPOSES, TRACE (TR) IS ASSUMED TO BE 0.5%.

(I) - INSEPARABLE LAYERS ND - NONE DETECTED

ALL SAMPLES WERE WET WHEN RECEIVED FOR ANALYSIS.

MAR 1 0 2010

DCM Science Laboratory, Inc.
12421 W. 49th Avenue, Unit #6
Wheat Ridge, CO 80033

DCM Project No.: ALCO 265
Client Job No.: D11321

Bulk Sample Analysis

BULK SAMPLE ANALYSIS PROCEDURES:

DCM Science Laboratory, Inc. analyzes bulk asbestos samples following procedures developed by the McCrone Research Institute and in compliance with guidelines established by the Environmental Protection Agency (EPA-600/R-93/116, July, 1993).

Bulk samples are prepared for analysis using a 10X-80X stereo microscope in a hepa filter hood which provides a contamination-free environment. The sample is then analyzed by polarized light microscopy (PLM) at 100X. When the sample consists of more than one layer, each layer is prepared and analyzed separately. Fiber and matrix materials are identified by the characterization of optical properties including color and pleochroism, form, cleavage, relief, birefringence, extinction, orientation, twinning, interference figure and other distinguishing features. Dispersion staining is also used to further aid in mineral identification. All percentages of asbestos, other fibers and non-fibrous constituents are calculated from the values obtained from analyses using the stereo and PLM microscopes. In-house and NIST standards as well as a chart prepared by R.D. Terry and G.V. Chilinger for "The Journal of Sedimentary Petrology", (Volume 24, pp. 229-234, 1955) provide a guide for estimating percentages. All samples are archived for six months unless other arrangements are made by the client.

ACCREDITATION:

DCMSL is accredited by NVLAP (since April 1, 1989). Our NVLAP Lab Code is 101258-0. DCMSL complies with NVLAP requirements unless otherwise noted.

ENDORSEMENT:

The results of this analysis must not be used by the client to claim endorsement by NVLAP or any agency of the U.S. Government.

This test report relates only to the items tested. This report may not be reproduced except in full, without the written approval of the laboratory. The analysis was performed by :

John Silverman, Analyst

Ron Schott, Analyst

Ron Schott
Laboratory Director

3-3-10
Date

NVLAP Lab Code 101258-0

D11321: Chain of Custody
Page 6 of 6

APPENDIX C: BORING LOGS

CCOD Environmental Services Division
Boring Log Field Form

Consultant:	Field Geologist:
Site Name:	Project Number:
Driller:	Boring Number: HS-01
Drilling Date: 2/24/10	Drilling Method:
Sample Collection/Drive Method:	
Field Instruments Used:	

Samples Collected?	Headspace Performed?	Background PID Measured?
Yes No	Yes No	Yes No

Depth of Drive (ft)	Symbol	Description (profile)	Drive Info.		Sample Information						
			Blows/6 in.	Recovery (ft)	Sample Interval (ft)	Headspace (ppm)	Time (Unique Value)	Sample Name for Lab	Split/Duplicate? (If yes, complete form)	Composite? (If yes, complete form)	Background PID (ppm)
0		0-1 Moist soil some small gravel Firm clay weak homogeneous									
5		1-4' some light color clay									
		4'-5' some bigger gravel/ rocks									
5-10		5'-6' various size gravel									
		6'-8' Weak, crumbly Gley 1 5/10Y									
		8'-10' Moderate									
10-15'		some firm clay- lot of gravel various size		reduced recovery		2'5"					
15-20		silty very little gravel Gley 1 3/N		"		2'6"	taking samples from the 15'-25' cores				
20-25'		last foot almost all gravel - right at water		"		2'					
25'-30'		25'-26' Wet gravel			3'						
		26'-30' dry Friable 5yr 5/3				taking TCLP sample					

Depth to Water (ft)	Final Depths (ft)	Well Details (ft)	Diameters (in.)	Materials:
At Drilling:	Boring:	Top Screen:	Boring:	Sand:
	Well:	Bottom Screen:	Well:	Grout:
	To Bedrock:	To Sand:		Seal:
		To Seal:		SurfaceGrout:

Use horizontal line to separate drives

CCOD Environmental Services Division
Boring Log Field Form

Consultant:	Field Geologist:
Site Name:	Project Number:
Driller:	Boring Number: HS-02
Drilling Date: 2/25/10	Drilling Method:
Sample Collection/Drive Method:	
Field Instruments Used:	

Samples Collected?	Headspace Performed?	Background PID Measured?
Yes No	Yes No	Yes No

Depth of Drive (ft)	Symbol	Description (profile)	Drive Info.		Sample Information						
			Blows/6 in.	Recovery (ft)	Sample Interval (ft)	Headspace (ppm)	Time (Unique Value)	Sample Name for Lab	Split/Duplicate? (if yes, complete form)	Composite? (If yes, complete form)	Background PID (ppm)
0-5'		soft silty clay black		1'							
5'-10'		1st 4" paper black 3" red brick rest is silt and rock		1.5'		15.7 ppm		Took samples 5'-15' cores TEH, TPH, 8081/8082 + Other 4			
10'-15'		blk clay mixed with chunks of wood		2.5'		.7					
15'-20'		blk wood chunk		2"		1.8 ppm					
20-25'		Wet silt, sand, gravel		2.5'		.5ppm		1350 sample			

Depth to Water (ft)	Final Depths (ft)	Well Details (ft)	Diameters (in.)	Materials:
At Drilling:	Boring:	Top Screen:	Boring:	Sand:
	Well:	Bottom Screen:	Well:	Grout:
	To Bedrock:	To Sand:		Seal:
		To Seal:		SurfaceGrout:

Use horizontal line to separate drives

CCOD Environmental Services Division
Boring Log Field Form

Consultant:	Field Geologist:
Site Name:	Project Number:
Driller:	Boring Number: HS-03
Drilling Date: 2/25/10	Drilling Method:
Sample Collection/Drive Method:	
Field Instruments Used:	

Samples Collected?	Headspace Performed?	Background PID Measured?
Yes No	Yes No	Yes No

Depth of Drive (ft)	Symbol	Description (profile)	Drive Info.		Sample Information						
			Blows/6 in.	Recovery (ft)	Sample Interval (ft)	Headspace (ppm)	Time (Unique Value)	Sample Name for Lab	Split/Duplicate? (if yes, complete form)	Composite? (If yes, complete form)	Background PID (ppm)
0-5'											
5'-10'		wet but due to snow melt into hole black silty sand a chunk of wood		1'							
10'-15'		1st 1.5' black silty sand a chunk of what looks like a stack of paper last 6" black streaking sand, gravel, rock		2'		1.4 ppm		taking TEH, TVH + soil/soil sample			
15'-20'		silty sand, gravel, rock slightly moist		2.5'		1 ppm					
20'-25'		1st 1' slightly moist silty sand, gravel, rock then about 2" hard silty clay - last is sand silt gravel		2'		.8 ppm					
25'-30'		wet, siltysand, gravel		2.5'		.7 ppm					
30'-35'		wet, silty sand, gravel, rock		2'		.7 ppm					

Depth to Water (ft)	Final Depths (ft)	Well Details (ft)	Diameters (in.)	Materials:
At Drilling:	Boring:	Top Screen:	Boring:	Sand:
	Well:	Bottom Screen:	Well:	Grout:
	To Bedrock:	To Sand:		Seal:
		To Seal:		SurfaceGrout:

Use horizontal line to separate drives

CCOD Environmental Services Division
Boring Log Field Form

Consultant:	Field Geologist:
Site Name:	Project Number:
Driller:	Boring Number: HS-04
Drilling Date: 2/25/10	Drilling Method:
Sample Collection/Drive Method:	
Field Instruments Used:	
Samples Collected? Yes No	Headspace Performed? Yes No
Background PID Measured? Yes No	

Depth of Drive (ft)	Symbol	Description (profile)	Drive Info.		Sample Information						
			Blows/6 in.	Recovery (ft)	Sample Interval (ft)	Headspace (ppm)	Time (Unique Value)	Sample Name for Lab	Split/Duplicate? (if yes, complete form)	Composite? (If yes, complete form)	Background PID (ppm)
0-5'		—									
5-10'		1-2' silty sand 2'-3' silty clay firm moist		3'							
10'-15'		last 6" silty sand + gravel Moist		2.5'		.2 ppm					
15'-20'		silt, sand, gravel, small rock slightly moist		1.5'		.2 ppm					
20'-25'		Moist silty sand gravel,		2.5'		.4ppm					
25-30'		1.0' moist silty sand gravel last 1.5' wet silty sand gravel		2.5'		.6 ppm					
30'-35'		wet silty sand gravel		2.5'		.6ppm					

Depth to Water (ft)	Final Depths (ft)	Well Details (ft)	Diameters (in.)	Materials:
At Drilling:	Boring:	Top Screen:	Boring:	Sand:
	Well:	Bottom Screen:	Well:	Grout:
	To Bedrock:	To Sand:		Seal:
		To Seal:		SurfaceGrout:

Use horizontal line to separate drives

CCOD Environmental Services Division
Boring Log Field Form

Consultant:	Field Geologist:
Site Name:	Project Number:
Driller:	Boring Number: H S- 05
Drilling Date: 2/24/10	Drilling Method:
Sample Collection/Drive Method:	
Field Instruments Used:	
Samples Collected? Yes No	Headspace Performed? Yes No
Background PID Measured? Yes No	

Depth of Drive (ft)	Symbol	Description (profile)	Drive Info. Blows/6 in.	Drive Info. Recovery (ft)	Sample Information: Sample Interval (ft)	Headspace (ppm)	Time (Unique Value)	Sample Name for Lab	Split/Duplicate? (if yes, complete form)	Composite? (If yes, complete form)	Background PID (ppm)
0-5'		Top 2" dark (from asphalt) slightly moist sand + gravel 5yr 2.5/1		3'							
5'-10'		Sand + gravel last 2" silty clay		3'							
10'-15'		some small gravel moist silty clay 2.5yr 4/3		2'							
15'-20'		(-2" silty clay moist to 20' is slightly moist sand + gravel		2.5'							
20'-25'		"		25'				TCLP samples from			
25'-30'		Sand + gravel last 2" inches wet		2'				samples from			
30'-34'		Wet		2'							

Depth to Water (ft)	Final Depths (ft)	Well Details (ft)	Diameters (in.)	Materials:
At Drilling:	Boring:	Top Screen:	Boring:	Sand:
	Well:	Bottom Screen:	Well:	Grout:
	To Bedrock:	To Sand:		Seal:
		To Seal:		SurfaceGrout:

Use horizontal line to separate drives

CCOD Environmental Services Division
Boring Log Field Form

Consultant:		Field Geologist:	
Site Name:		Project Number:	
Driller:		Boring Number:	HS-07
Drilling Date:	2/24/10	Drilling Method:	
Sample Collection/Drive Method:			
Field Instruments Used:			
Samples Collected? Yes No	Headspace Performed? Yes No	Background PID Measured? Yes No	

Depth of Drive (ft)	Symbol	Description (profile)	Drive Info. Blows/6 in.	Drive Info. Recovery (ft)	Sample Information: Sample Interval (ft)	Headspace (ppm)	Time (Unique Value)	Sample Name for Lab	Split/Duplicate? (if yes, complete form)	Composite? (If yes, complete form)	Background PID (ppm)
0-5'		0-1' wet silty clay		2'							
		1-2' sand		2.5'							
5'-10'		Moist sand									
10'-15'		Sand + gravel last inch is clay-silty		2.5'							
15'-20'		moist silty clay firm some sand moderate 5yr 3/3 hard - last foot		2'							
20-25'		hard clay ~~1st foot~~ 6" last 2 1/2' slightly moist sand, gravel some rock, some silt		3'							
25'-30'		silt, sand & gravel slightly moist		2'							
30-35'		silt, sand, gravel & cobble slightly moist		1'							

Took samples from

Depth to Water (ft)	Final Depths (ft)	Well Details (ft)	Diameters (in.)	Materials:
At Drilling:	Boring:	Top Screen:	Boring:	Sand:
	Well:	Bottom Screen:	Well:	Grout:
	To Bedrock:	To Sand:		Seal:
		To Seal:		SurfaceGrout:

Use horizontal line to separate drives

CCOD Environmental Services Division
Boring Log Field Form

Consultant:	Field Geologist:
Site Name:	Project Number:
Driller:	Boring Number: HS-08
Drilling Date: 2/25/10	Drilling Method:
Sample Collection/Drive Method:	
Field Instruments Used:	

Samples Collected?	Headspace Performed?	Background PID Measured?
Yes No	Yes No	Yes No

Depth of Drive (ft)	Symbol	Description (profile)	Drive Info.		Sample Information						
			Blows/6 in.	Recovery (ft)	Sample Interval (ft)	Headspace (ppm)	Time (Unique Value)	Sample Name for Lab	Split/Duplicate? (If yes, complete form)	Composite? (If yes, complete form)	Background PID (ppm)
0-5'		silty clay soft black some red brick		2'		1ppm					
5'-10'		silty sand, gravel, rock		1'		1ppm					
10-15'		Strong odor moist 1st 1.5' black silty clay last foot - blk w/debris wood mostly glass	3	2.5'		1.2ppm		taking sample 10' - 20'			
15' - 20'		Wet - strong odor blk silty clay - big wood chunks		2'		6.3 ppm					
								sample 1455			

Depth to Water (ft)	Final Depths (ft)	Well Details (ft)	Diameters (in.)	Materials:
At Drilling:	Boring:	Top Screen:	Boring:	Sand:
	Well:	Bottom Screen:	Well:	Grout:
	To Bedrock:	To Sand:		Seal:
		To Seal:		SurfaceGrout:

Use horizontal line to separate drives